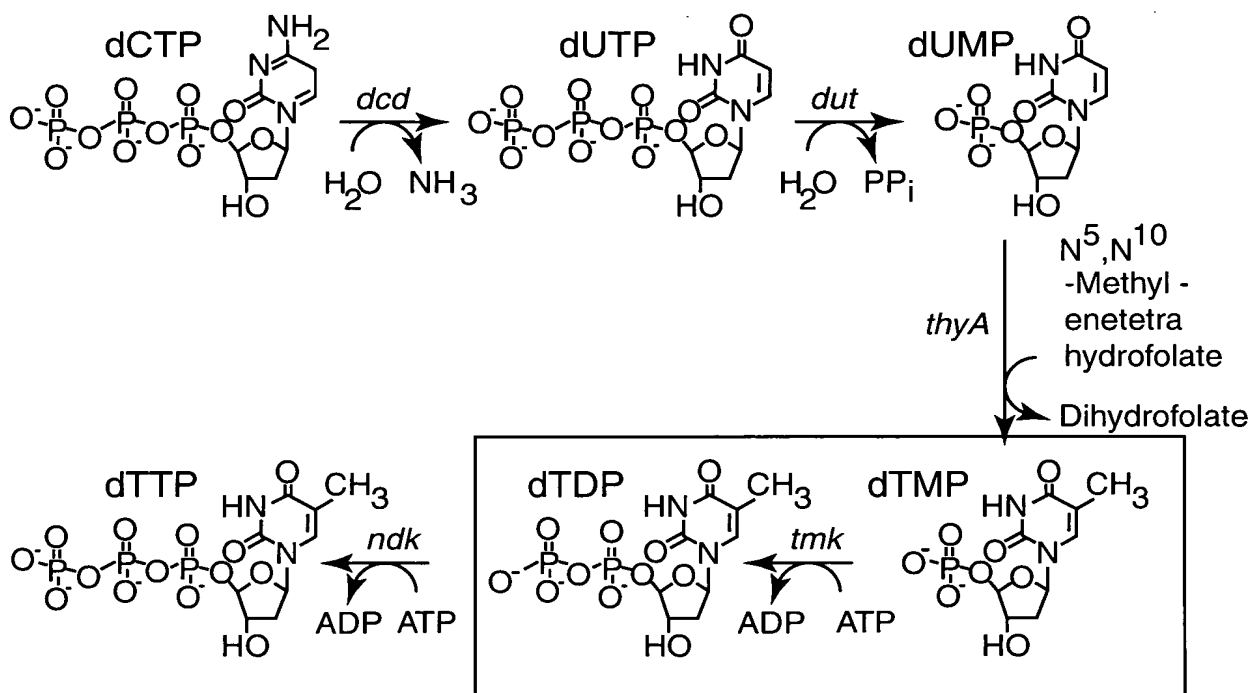


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**Fig. 1**

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REMARK S. aureus Thymidylate kinase coordinates

REMARK r= 0.236579 free r= 0.308425

REMARK DATE:16-Jun-99 10:01:57

CRYST1 49.8 90.1 46.5 90.00 101.80 90.00 P 2 1

2

					X	Y	Z	Occ	B		
ATOM	1	N	GLY	2	15.565	30.611	7.591	1.00	45.66		A
ATOM	2	CA	GLY	2	16.755	31.162	6.969	1.00	45.93		A
ATOM	3	C	GLY	2	17.911	31.377	7.940	1.00	46.18		A
ATOM	4	O	GLY	2	18.705	32.317	7.758	1.00	48.32		A
ATOM	5	N	SER	3	17.998	30.531	8.975	1.00	42.96		A
ATOM	6	CA	SER	3	19.072	30.610	9.970	1.00	39.00		A
ATOM	7	CB	SER	3	18.627	29.966	11.292	1.00	40.17		A
ATOM	8	OG	SER	3	19.120	30.700	12.402	1.00	40.63		A
ATOM	9	C	SER	3	20.281	29.874	9.397	1.00	36.56		A
ATOM	10	O	SER	3	20.446	29.839	8.181	1.00	39.31		A
ATOM	11	N	ALA	4	21.128	29.286	10.238	1.00	31.10		A
ATOM	12	CA	ALA	4	22.288	28.569	9.699	1.00	25.76		A
ATOM	13	CB	ALA	4	23.547	29.356	10.017	1.00	29.23		A
ATOM	14	C	ALA	4	22.454	27.088	10.136	1.00	21.31		A
ATOM	15	O	ALA	4	23.384	26.753	10.865	1.00	18.84		A
ATOM	16	N	PHE	5	21.574	26.211	9.653	1.00	17.80		A
ATOM	17	CA	PHE	5	21.613	24.783	9.982	1.00	15.57		A
ATOM	18	CB	PHE	5	20.202	24.333	10.411	1.00	15.42		A
ATOM	19	CG	PHE	5	20.106	22.891	10.864	1.00	9.82		A
ATOM	20	CD1	PHE	5	21.231	22.181	11.241	1.00	7.80		A
ATOM	21	CD2	PHE	5	18.874	22.243	10.880	1.00	12.23		A
ATOM	22	CE1	PHE	5	21.134	20.852	11.625	1.00	10.94		A
ATOM	23	CE2	PHE	5	18.773	20.911	11.266	1.00	12.85		A
ATOM	24	CZ	PHE	5	19.907	20.217	11.633	1.00	9.60		A
ATOM	25	C	PHE	5	22.100	23.956	8.782	1.00	15.42		A
ATOM	26	O	PHE	5	21.319	23.652	7.880	1.00	15.73		A
ATOM	27	N	ILE	6	23.382	23.587	8.776	1.00	14.77		A
ATOM	28	CA	ILE	6	23.960	22.816	7.669	1.00	14.44		A
ATOM	29	CB	ILE	6	25.224	23.507	7.094	1.00	14.35		A
ATOM	30	CG2	ILE	6	25.740	22.739	5.899	1.00	13.40		A
ATOM	31	CG1	ILE	6	24.911	24.947	6.685	1.00	12.20		A
ATOM	32	CD1	ILE	6	26.136	25.851	6.740	1.00	11.34		A
ATOM	33	C	ILE	6	24.373	21.413	8.108	1.00	13.52		A
ATOM	34	O	ILE	6	24.948	21.245	9.177	1.00	11.51		A
ATOM	35	N	THR	7	24.100	20.421	7.258	1.00	14.29		A
ATOM	36	CA	THR	7	24.440	19.020	7.532	1.00	16.52		A
ATOM	37	CB	THR	7	23.198	18.154	7.544	1.00	18.14		A
ATOM	38	OG1	THR	7	22.475	18.365	6.322	1.00	20.48		A
ATOM	39	CG2	THR	7	22.314	18.494	8.753	1.00	20.31		A
ATOM	40	C	THR	7	25.355	18.480	6.437	1.00	16.16		A
ATOM	41	O	THR	7	25.217	18.846	5.274	1.00	16.42		A
ATOM	42	N	PHE	8	26.278	17.598	6.795	1.00	16.88		A
ATOM	43	CA	PHE	8	27.193	17.053	5.799	1.00	17.17		A
ATOM	44	CB	PHE	8	28.647	17.250	6.259	1.00	16.14		A
ATOM	45	CG	PHE	8	29.094	18.704	6.285	1.00	17.67		A
ATOM	46	CD1	PHE	8	28.549	19.600	7.206	1.00	17.53		A
ATOM	47	CD2	PHE	8	30.059	19.177	5.387	1.00	16.84		A
ATOM	48	CE1	PHE	8	28.960	20.935	7.238	1.00	13.97		A
ATOM	49	CE2	PHE	8	30.479	20.519	5.412	1.00	12.30		A
ATOM	50	CZ	PHE	8	29.924	21.393	6.336	1.00	14.49		A
ATOM	51	C	PHE	8	26.914	15.579	5.550	1.00	17.25		A
ATOM	52	O	PHE	8	27.194	14.755	6.394	1.00	18.79		A

Fig. 2

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ATOM	53	N	GLU	9	26.356	15.249	4.388	1.00	17.51	A
ATOM	54	CA	GLU	9	26.059	13.855	4.048	1.00	17.55	A
ATOM	55	CB	GLU	9	24.664	13.749	3.435	1.00	17.76	A
ATOM	56	CG	GLU	9	23.554	14.273	4.329	1.00	20.61	A
ATOM	57	CD	GLU	9	23.291	13.365	5.503	1.00	23.30	A
ATOM	58	OE1	GLU	9	24.062	12.399	5.690	1.00	22.58	A
ATOM	59	OE2	GLU	9	22.309	13.611	6.239	1.00	26.41	A
ATOM	60	C	GLU	9	27.091	13.262	3.078	1.00	18.24	A
ATOM	61	O	GLU	9	27.844	13.988	2.432	1.00	16.08	A
ATOM	62	N	GLY	10	27.140	11.939	2.983	1.00	18.42	A
ATOM	63	CA	GLY	10	28.096	11.326	2.080	1.00	18.56	A
ATOM	64	C	GLY	10	28.583	9.945	2.482	1.00	19.97	A
ATOM	65	O	GLY	10	28.526	9.564	3.649	1.00	20.35	A
ATOM	66	N	PRO	11	29.096	9.170	1.521	1.00	20.31	A
ATOM	67	CD	PRO	11	29.265	9.483	0.094	1.00	20.97	A
ATOM	68	CA	PRO	11	29.578	7.831	1.853	1.00	20.79	A
ATOM	69	CB	PRO	11	29.729	7.153	0.488	1.00	23.34	A
ATOM	70	CG	PRO	11	29.208	8.147	-0.544	1.00	21.83	A
ATOM	71	C	PRO	11	30.895	7.831	2.637	1.00	21.56	A
ATOM	72	O	PRO	11	31.562	8.860	2.777	1.00	18.77	A
ATOM	73	N	GLU	12	31.250	6.658	3.152	1.00	21.58	A
ATOM	74	CA	GLU	12	32.483	6.470	3.900	1.00	21.79	A
ATOM	75	CB	GLU	12	32.486	5.056	4.489	1.00	26.41	A
ATOM	76	CG	GLU	12	33.714	4.691	5.302	1.00	33.39	A
ATOM	77	CD	GLU	12	33.645	5.192	6.734	1.00	35.99	A
ATOM	78	OE1	GLU	12	34.492	4.762	7.551	1.00	39.53	A
ATOM	79	OE2	GLU	12	32.755	6.014	7.039	1.00	34.50	A
ATOM	80	C	GLU	12	33.659	6.660	2.928	1.00	19.74	A
ATOM	81	O	GLU	12	33.593	6.240	1.772	1.00	16.87	A
ATOM	82	N	GLY	13	34.727	7.295	3.393	1.00	17.80	A
ATOM	83	CA	GLY	13	35.863	7.520	2.525	1.00	17.26	A
ATOM	84	C	GLY	13	35.591	8.646	1.541	1.00	18.42	A
ATOM	85	O	GLY	13	36.241	8.743	0.495	1.00	17.78	A
ATOM	86	N	SER	14	34.622	9.496	1.868	1.00	16.87	A
ATOM	87	CA	SER	14	34.275	10.618	1.009	1.00	15.78	A
ATOM	88	CB	SER	14	32.762	10.892	1.057	1.00	16.79	A
ATOM	89	OG	SER	14	32.328	11.227	2.371	1.00	12.97	A
ATOM	90	C	SER	14	35.045	11.844	1.478	1.00	15.93	A
ATOM	91	O	SER	14	34.944	12.918	0.885	1.00	14.60	A
ATOM	92	N	GLY	15	35.829	11.664	2.537	1.00	17.21	A
ATOM	93	CA	GLY	15	36.612	12.757	3.082	1.00	19.59	A
ATOM	94	C	GLY	15	35.870	13.426	4.223	1.00	22.08	A
ATOM	95	O	GLY	15	36.493	13.973	5.147	1.00	23.73	A
ATOM	96	N	LYS	16	34.541	13.362	4.144	1.00	20.23	A
ATOM	97	CA	LYS	16	33.634	13.934	5.126	1.00	20.26	A
ATOM	98	CB	LYS	16	32.590	12.894	5.520	1.00	17.48	A
ATOM	99	CG	LYS	16	31.498	13.450	6.400	1.00	17.72	A
ATOM	100	CD	LYS	16	30.173	13.476	5.664	1.00	15.45	A
ATOM	101	CE	LYS	16	29.204	12.495	6.280	1.00	13.15	A
ATOM	102	NZ	LYS	16	29.955	11.579	7.159	1.00	15.36	A
ATOM	103	C	LYS	16	34.238	14.538	6.399	1.00	20.99	A
ATOM	104	O	LYS	16	34.189	15.753	6.586	1.00	20.66	A
ATOM	105	N	THR	17	34.803	13.702	7.268	1.00	20.95	A
ATOM	106	CA	THR	17	35.382	14.170	8.533	1.00	22.79	A
ATOM	107	CB	THR	17	35.897	12.971	9.372	1.00	24.86	A
ATOM	108	OG1	THR	17	36.911	13.419	10.280	1.00	27.36	A
ATOM	109	CG2	THR	17	36.460	11.874	8.473	1.00	26.75	A

Fig. 2A-1

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ATOM	110	C	THR	17	36.501	15.222	8.421	1.00	21.60	A
ATOM	111	O	THR	17	36.711	16.018	9.345	1.00	19.85	A
ATOM	112	N	THR	18	37.215	15.221	7.300	1.00	19.88	A
ATOM	113	CA	THR	18	38.290	16.176	7.086	1.00	18.21	A
ATOM	114	CB	THR	18	39.331	15.614	6.112	1.00	19.26	A
ATOM	115	OG1	THR	18	40.319	14.904	6.859	1.00	21.08	A
ATOM	116	CG2	THR	18	40.022	16.731	5.334	1.00	20.76	A
ATOM	117	C	THR	18	37.712	17.464	6.530	1.00	17.35	A
ATOM	118	O	THR	18	38.115	18.555	6.912	1.00	15.07	A
ATOM	119	N	VAL	19	36.752	17.339	5.627	1.00	17.00	A
ATOM	120	CA	VAL	19	36.129	18.514	5.043	1.00	18.51	A
ATOM	121	CB	VAL	19	35.094	18.099	3.984	1.00	15.71	A
ATOM	122	CG1	VAL	19	34.484	19.320	3.322	1.00	12.75	A
ATOM	123	CG2	VAL	19	35.781	17.217	2.938	1.00	15.82	A
ATOM	124	C	VAL	19	35.482	19.388	6.123	1.00	21.42	A
ATOM	125	O	VAL	19	35.785	20.582	6.217	1.00	20.10	A
ATOM	126	N	ILE	20	34.612	18.794	6.941	1.00	22.67	A
ATOM	127	CA	ILE	20	33.932	19.514	8.028	1.00	25.13	A
ATOM	128	CB	ILE	20	33.043	18.567	8.895	1.00	24.85	A
ATOM	129	CG2	ILE	20	32.197	19.380	9.871	1.00	25.65	A
ATOM	130	CG1	ILE	20	32.099	17.760	8.005	1.00	29.35	A
ATOM	131	CD1	ILE	20	31.503	16.546	8.691	1.00	31.38	A
ATOM	132	C	ILE	20	34.894	20.224	8.990	1.00	25.81	A
ATOM	133	O	ILE	20	34.646	21.364	9.400	1.00	25.88	A
ATOM	134	N	ASN	21	35.980	19.548	9.353	1.00	26.96	A
ATOM	135	CA	ASN	21	36.959	20.105	10.274	1.00	28.55	A
ATOM	136	CB	ASN	21	37.940	19.028	10.721	1.00	33.92	A
ATOM	137	CG	ASN	21	38.240	19.091	12.207	1.00	38.77	A
ATOM	138	OD1	ASN	21	39.099	18.360	12.700	1.00	42.41	A
ATOM	139	ND2	ASN	21	37.531	19.960	12.932	1.00	39.00	A
ATOM	140	C	ASN	21	37.733	21.247	9.657	1.00	27.37	A
ATOM	141	O	ASN	21	38.029	22.225	10.341	1.00	27.70	A
ATOM	142	N	GLU	22	38.067	21.110	8.372	1.00	26.84	A
ATOM	143	CA	GLU	22	38.811	22.137	7.645	1.00	27.50	A
ATOM	144	CB	GLU	22	39.507	21.538	6.412	1.00	29.00	A
ATOM	145	CG	GLU	22	40.337	20.274	6.694	1.00	37.51	A
ATOM	146	CD	GLU	22	41.849	20.528	6.802	1.00	42.36	A
ATOM	147	OE1	GLU	22	42.255	21.710	6.873	1.00	46.23	A
ATOM	148	OE2	GLU	22	42.635	19.546	6.820	1.00	42.33	A
ATOM	149	C	GLU	22	37.900	23.296	7.218	1.00	24.64	A
ATOM	150	O	GLU	22	38.312	24.449	7.230	1.00	26.17	A
ATOM	151	N	VAL	23	36.672	22.992	6.823	1.00	21.05	A
ATOM	152	CA	VAL	23	35.745	24.042	6.436	1.00	19.39	A
ATOM	153	CB	VAL	23	34.451	23.455	5.803	1.00	19.91	A
ATOM	154	CG1	VAL	23	33.282	24.425	5.968	1.00	16.41	A
ATOM	155	CG2	VAL	23	34.679	23.165	4.323	1.00	16.29	A
ATOM	156	C	VAL	23	35.393	24.832	7.710	1.00	19.97	A
ATOM	157	O	VAL	23	35.249	26.055	7.678	1.00	20.23	A
ATOM	158	N	TYR	24	35.272	24.118	8.831	1.00	19.00	A
ATOM	159	CA	TYR	24	34.940	24.717	10.120	1.00	15.00	A
ATOM	160	CB	TYR	24	34.794	23.630	11.191	1.00	12.78	A
ATOM	161	CG	TYR	24	34.834	24.160	12.614	1.00	9.34	A
ATOM	162	CD1	TYR	24	33.706	24.746	13.200	1.00	11.54	A
ATOM	163	CE1	TYR	24	33.741	25.241	14.503	1.00	6.15	A
ATOM	164	CD2	TYR	24	35.992	24.078	13.372	1.00	7.77	A
ATOM	165	CE2	TYR	24	36.035	24.570	14.673	1.00	9.74	A
ATOM	166	CZ	TYR	24	34.907	25.142	15.226	1.00	6.90	A

Fig. 2A-2



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ATOM	167	OH	TYR	24	34.973	25.614	16.501	1.00	13.33	A
ATOM	168	C	TYR	24	36.015	25.699	10.556	1.00	14.44	A
ATOM	169	O	TYR	24	35.757	26.886	10.719	1.00	13.95	A
ATOM	170	N	HIS	25	37.229	25.200	10.734	1.00	15.76	A
ATOM	171	CA	HIS	25	38.335	26.039	11.166	1.00	20.04	A
ATOM	172	CB	HIS	25	39.624	25.241	11.141	1.00	21.45	A
ATOM	173	CG	HIS	25	39.833	24.428	12.374	1.00	25.49	A
ATOM	174	CD2	HIS	25	40.070	24.810	13.656	1.00	27.02	A
ATOM	175	ND1	HIS	25	39.738	23.057	12.396	1.00	27.27	A
ATOM	176	CE1	HIS	25	39.903	22.621	13.625	1.00	28.81	A
ATOM	177	NE2	HIS	25	40.106	23.664	14.417	1.00	29.55	A
ATOM	178	C	HIS	25	38.505	27.303	10.349	1.00	21.20	A
ATOM	179	O	HIS	25	39.249	28.200	10.731	1.00	22.19	A
ATOM	180	N	ARG	26	37.806	27.371	9.225	1.00	23.69	A
ATOM	181	CA	ARG	26	37.882	28.519	8.334	1.00	25.23	A
ATOM	182	CB	ARG	26	37.869	28.041	6.868	1.00	26.42	A
ATOM	183	CG	ARG	26	38.386	29.063	5.852	1.00	30.95	A
ATOM	184	CD	ARG	26	39.377	28.429	4.864	1.00	32.09	A
ATOM	185	NE	ARG	26	39.060	28.770	3.475	1.00	33.53	A
ATOM	186	CZ	ARG	26	39.297	27.974	2.431	1.00	32.41	A
ATOM	187	NH1	ARG	26	38.967	28.382	1.215	1.00	30.59	A
ATOM	188	NH2	ARG	26	39.871	26.783	2.600	1.00	27.39	A
ATOM	189	C	ARG	26	36.719	29.474	8.594	1.00	24.86	A
ATOM	190	O	ARG	26	36.912	30.694	8.608	1.00	26.52	A
ATOM	191	N	LEU	27	35.525	28.911	8.811	1.00	23.07	A
ATOM	192	CA	LEU	27	34.307	29.682	9.064	1.00	20.96	A
ATOM	193	CB	LEU	27	33.057	28.792	8.988	1.00	19.14	A
ATOM	194	CG	LEU	27	32.699	28.002	7.722	1.00	19.04	A
ATOM	195	CD1	LEU	27	31.595	27.001	8.060	1.00	17.26	A
ATOM	196	CD2	LEU	27	32.235	28.934	6.609	1.00	15.23	A
ATOM	197	C	LEU	27	34.305	30.368	10.415	1.00	20.53	A
ATOM	198	O	LEU	27	33.696	31.415	10.572	1.00	19.75	A
ATOM	199	N	VAL	28	34.981	29.785	11.399	1.00	21.80	A
ATOM	200	CA	VAL	28	35.000	30.379	12.735	1.00	23.18	A
ATOM	201	CB	VAL	28	35.746	29.484	13.755	1.00	20.76	A
ATOM	202	CG1	VAL	28	35.193	28.091	13.714	1.00	23.55	A
ATOM	203	CG2	VAL	28	37.237	29.462	13.451	1.00	20.31	A
ATOM	204	C	VAL	28	35.650	31.756	12.742	1.00	22.92	A
ATOM	205	O	VAL	28	35.393	32.572	13.620	1.00	23.32	A
ATOM	206	N	LYS	29	36.493	32.005	11.754	1.00	22.70	A
ATOM	207	CA	LYS	29	37.193	33.270	11.663	1.00	24.04	A
ATOM	208	CB	LYS	29	37.981	33.322	10.357	1.00	22.62	A
ATOM	209	CG	LYS	29	38.945	32.159	10.230	1.00	21.41	A
ATOM	210	CD	LYS	29	40.161	32.534	9.454	1.00	20.91	A
ATOM	211	CE	LYS	29	40.277	31.697	8.203	1.00	17.62	A
ATOM	212	NZ	LYS	29	41.704	31.520	7.813	1.00	19.23	A
ATOM	213	C	LYS	29	36.244	34.450	11.770	1.00	25.21	A
ATOM	214	O	LYS	29	36.507	35.407	12.510	1.00	24.91	A
ATOM	215	N	ASP	30	35.129	34.375	11.053	1.00	26.90	A
ATOM	216	CA	ASP	30	34.164	35.461	11.091	1.00	28.76	A
ATOM	217	CB	ASP	30	34.374	36.396	9.889	1.00	31.50	A
ATOM	218	CG	ASP	30	34.546	35.638	8.586	1.00	34.03	A
ATOM	219	OD1	ASP	30	35.576	35.841	7.890	1.00	32.19	A
ATOM	220	OD2	ASP	30	33.637	34.836	8.264	1.00	34.43	A
ATOM	221	C	ASP	30	32.723	34.976	11.149	1.00	27.12	A
ATOM	222	O	ASP	30	31.828	35.625	10.623	1.00	28.57	A
ATOM	223	N	TYR	31	32.512	33.827	11.788	1.00	24.87	A

Fig. 2A-3

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ATOM	224	CA	TYR	31	31.172	33.259	11.966	1.00	22.02	A
ATOM	225	CB	TYR	31	30.843	32.192	10.917	1.00	20.30	A
ATOM	226	CG	TYR	31	30.526	32.735	9.555	1.00	16.72	A
ATOM	227	CD1	TYR	31	31.502	32.773	8.571	1.00	18.10	A
ATOM	228	CE1	TYR	31	31.236	33.262	7.305	1.00	17.46	A
ATOM	229	CD2	TYR	31	29.259	33.202	9.245	1.00	15.65	A
ATOM	230	CE2	TYR	31	28.974	33.700	7.973	1.00	17.00	A
ATOM	231	CZ	TYR	31	29.974	33.724	7.006	1.00	17.27	A
ATOM	232	OH	TYR	31	29.735	34.202	5.736	1.00	17.42	A
ATOM	233	C	TYR	31	31.086	32.598	13.331	1.00	20.05	A
ATOM	234	O	TYR	31	32.075	32.092	13.850	1.00	20.06	A
ATOM	235	N	ASP	32	29.892	32.622	13.908	1.00	19.70	A
ATOM	236	CA	ASP	32	29.636	31.990	15.190	1.00	20.95	A
ATOM	237	CB	ASP	32	28.510	32.735	15.906	1.00	22.89	A
ATOM	238	CG	ASP	32	28.440	32.413	17.373	1.00	24.21	A
ATOM	239	OD1	ASP	32	27.454	32.838	18.020	1.00	25.96	A
ATOM	240	OD2	ASP	32	29.363	31.739	17.872	1.00	24.55	A
ATOM	241	C	ASP	32	29.181	30.597	14.751	1.00	20.33	A
ATOM	242	O	ASP	32	27.988	30.300	14.671	1.00	19.92	A
ATOM	243	N	VAL	33	30.148	29.753	14.424	1.00	18.61	A
ATOM	244	CA	VAL	33	29.838	28.425	13.935	1.00	16.48	A
ATOM	245	CB	VAL	33	30.649	28.127	12.640	1.00	15.36	A
ATOM	246	CG1	VAL	33	32.097	27.831	12.972	1.00	13.65	A
ATOM	247	CG2	VAL	33	30.022	26.967	11.892	1.00	16.60	A
ATOM	248	C	VAL	33	30.077	27.337	14.968	1.00	16.76	A
ATOM	249	O	VAL	33	30.983	27.426	15.800	1.00	17.16	A
ATOM	250	N	ILE	34	29.241	26.306	14.910	1.00	15.58	A
ATOM	251	CA	ILE	34	29.349	25.184	15.827	1.00	13.80	A
ATOM	252	CB	ILE	34	28.030	25.020	16.669	1.00	12.79	A
ATOM	253	CG2	ILE	34	28.049	23.729	17.474	1.00	11.57	A
ATOM	254	CG1	ILE	34	27.919	26.145	17.680	1.00	11.47	A
ATOM	255	CD1	ILE	34	29.120	26.219	18.560	1.00	10.18	A
ATOM	256	C	ILE	34	29.608	23.929	14.992	1.00	13.84	A
ATOM	257	O	ILE	34	29.024	23.758	13.921	1.00	12.61	A
ATOM	258	N	MET	35	30.506	23.080	15.496	1.00	15.72	A
ATOM	259	CA	MET	35	30.888	21.815	14.873	1.00	16.23	A
ATOM	260	CB	MET	35	32.418	21.717	14.811	1.00	13.95	A
ATOM	261	CG	MET	35	32.988	21.367	13.441	1.00	15.83	A
ATOM	262	SD	MET	35	34.670	20.692	13.593	1.00	12.02	A
ATOM	263	CE	MET	35	34.279	18.976	13.591	1.00	15.12	A
ATOM	264	C	MET	35	30.342	20.672	15.746	1.00	16.39	A
ATOM	265	O	MET	35	30.740	20.533	16.903	1.00	14.42	A
ATOM	266	N	THR	36	29.451	19.849	15.189	1.00	17.35	A
ATOM	267	CA	THR	36	28.859	18.747	15.952	1.00	18.63	A
ATOM	268	CB	THR	36	27.598	19.244	16.748	1.00	20.00	A
ATOM	269	OG1	THR	36	27.292	18.337	17.817	1.00	18.36	A
ATOM	270	CG2	THR	36	26.395	19.337	15.833	1.00	18.79	A
ATOM	271	C	THR	36	28.453	17.518	15.117	1.00	18.55	A
ATOM	272	O	THR	36	28.268	17.592	13.908	1.00	16.66	A
ATOM	273	N	ARG	37	28.336	16.382	15.801	1.00	20.67	A
ATOM	274	CA	ARG	37	27.913	15.108	15.224	1.00	20.65	A
ATOM	275	CB	ARG	37	29.115	14.269	14.796	1.00	21.76	A
ATOM	276	CG	ARG	37	30.170	14.129	15.855	1.00	27.37	A
ATOM	277	CD	ARG	37	31.559	14.070	15.239	1.00	35.37	A
ATOM	278	NE	ARG	37	32.614	14.108	16.256	1.00	41.53	A
ATOM	279	CZ	ARG	37	33.904	14.297	15.998	1.00	42.90	A
ATOM	280	NH1	ARG	37	34.780	14.315	16.995	1.00	44.86	A

**Fig. 2A-4**

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ATOM	281	NH2	ARG	37	34.321	14.468	14.745	1.00	45.05	A
ATOM	282	C	ARG	37	27.186	14.428	16.378	1.00	19.50	A
ATOM	283	O	ARG	37	27.746	14.279	17.466	1.00	16.50	A
ATOM	284	N	GLU	38	25.937	14.038	16.147	1.00	20.18	A
ATOM	285	CA	GLU	38	25.124	13.409	17.182	1.00	22.89	A
ATOM	286	CB	GLU	38	23.692	13.243	16.673	1.00	21.85	A
ATOM	287	CG	GLU	38	23.504	12.081	15.751	1.00	21.08	A
ATOM	288	CD	GLU	38	22.407	12.317	14.761	1.00	22.13	A
ATOM	289	OE1	GLU	38	22.092	11.387	13.993	1.00	24.03	A
ATOM	290	OE2	GLU	38	21.855	13.433	14.745	1.00	22.48	A
ATOM	291	C	GLU	38	25.655	12.066	17.662	1.00	24.77	A
ATOM	292	O	GLU	38	26.215	11.298	16.878	1.00	24.13	A
ATOM	293	N	PRO	39	25.485	11.760	18.965	1.00	26.42	A
ATOM	294	CD	PRO	39	25.937	10.461	19.492	1.00	26.55	A
ATOM	295	CA	PRO	39	24.824	12.562	20.005	1.00	27.84	A
ATOM	296	CB	PRO	39	24.425	11.533	21.055	1.00	26.59	A
ATOM	297	CG	PRO	39	25.457	10.469	20.929	1.00	27.33	A
ATOM	298	C	PRO	39	25.710	13.666	20.595	1.00	28.60	A
ATOM	299	O	PRO	39	25.380	14.268	21.614	1.00	28.12	A
ATOM	300	N	GLY	40	26.835	13.907	19.936	1.00	29.22	A
ATOM	301	CA	GLY	40	27.779	14.929	20.350	1.00	29.42	A
ATOM	302	C	GLY	40	27.642	15.638	21.687	1.00	29.13	A
ATOM	303	O	GLY	40	27.414	16.845	21.729	1.00	27.84	A
ATOM	304	N	GLY	41	27.766	14.904	22.788	1.00	29.09	A
ATOM	305	CA	GLY	41	27.697	15.552	24.089	1.00	29.55	A
ATOM	306	C	GLY	41	26.486	15.357	24.981	1.00	29.02	A
ATOM	307	O	GLY	41	26.641	15.102	26.175	1.00	29.02	A
ATOM	308	N	VAL	42	25.290	15.482	24.419	1.00	27.71	A
ATOM	309	CA	VAL	42	24.065	15.329	25.187	1.00	28.20	A
ATOM	310	CB	VAL	42	22.837	15.443	24.254	1.00	29.48	A
ATOM	311	CG1	VAL	42	21.556	15.453	25.059	1.00	30.80	A
ATOM	312	CG2	VAL	42	22.943	16.720	23.439	1.00	28.44	A
ATOM	313	C	VAL	42	24.058	13.983	25.918	1.00	28.18	A
ATOM	314	O	VAL	42	23.782	12.944	25.331	1.00	28.00	A
ATOM	315	N	PRO	43	24.350	14.000	27.231	1.00	28.18	A
ATOM	316	CD	PRO	43	24.629	15.200	28.040	1.00	26.98	A
ATOM	317	CA	PRO	43	24.389	12.783	28.055	1.00	27.66	A
ATOM	318	CB	PRO	43	24.400	13.311	29.493	1.00	27.31	A
ATOM	319	CG	PRO	43	24.160	14.789	29.385	1.00	28.44	A
ATOM	320	C	PRO	43	23.252	11.791	27.826	1.00	27.06	A
ATOM	321	O	PRO	43	23.488	10.592	27.704	1.00	26.54	A
ATOM	322	N	THR	44	22.022	12.291	27.794	1.00	27.46	A
ATOM	323	CA	THR	44	20.855	11.453	27.588	1.00	27.28	A
ATOM	324	CB	THR	44	19.565	12.259	27.832	1.00	27.35	A
ATOM	325	OG1	THR	44	18.434	11.499	27.408	1.00	30.85	A
ATOM	326	CG2	THR	44	19.615	13.561	27.087	1.00	27.97	A
ATOM	327	C	THR	44	20.870	10.892	26.167	1.00	26.45	A
ATOM	328	O	THR	44	20.434	9.765	25.927	1.00	24.51	A
ATOM	329	N	GLY	45	21.369	11.666	25.212	1.00	27.55	A
ATOM	330	CA	GLY	45	21.433	11.167	23.855	1.00	26.03	A
ATOM	331	C	GLY	45	22.441	10.030	23.815	1.00	25.92	A
ATOM	332	O	GLY	45	22.273	9.037	23.107	1.00	25.66	A
ATOM	333	N	GLU	46	23.502	10.171	24.600	1.00	26.08	A
ATOM	334	CA	GLU	46	24.539	9.156	24.662	1.00	27.70	A
ATOM	335	CB	GLU	46	25.752	9.680	25.420	1.00	30.35	A
ATOM	336	CG	GLU	46	26.066	11.156	25.190	1.00	35.84	A
ATOM	337	CD	GLU	46	27.294	11.372	24.316	1.00	38.67	A

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ATOM	338	OE1	GLU	46	27.188	11.165	23.090	1.00	40.57	A
ATOM	339	OE2	GLU	46	28.358	11.749	24.855	1.00	39.83	A
ATOM	340	C	GLU	46	24.038	7.882	25.336	1.00	28.82	A
ATOM	341	O	GLU	46	24.499	6.783	25.016	1.00	29.81	A
ATOM	342	N	GLU	47	23.079	8.026	26.251	1.00	29.16	A
ATOM	343	CA	GLU	47	22.507	6.899	26.981	1.00	28.33	A
ATOM	344	CB	GLU	47	21.505	7.370	28.032	1.00	31.03	A
ATOM	345	CG	GLU	47	21.919	8.575	28.821	1.00	35.69	A
ATOM	346	CD	GLU	47	22.509	8.193	30.155	1.00	39.30	A
ATOM	347	OE1	GLU	47	21.965	7.267	30.806	1.00	38.20	A
ATOM	348	OE2	GLU	47	23.519	8.821	30.544	1.00	41.18	A
ATOM	349	C	GLU	47	21.772	5.982	26.041	1.00	28.66	A
ATOM	350	O	GLU	47	21.953	4.772	26.070	1.00	28.63	A
ATOM	351	N	ILE	48	20.902	6.570	25.230	1.00	28.67	A
ATOM	352	CA	ILE	48	20.132	5.801	24.273	1.00	29.14	A
ATOM	353	CB	ILE	48	19.149	6.705	23.496	1.00	27.61	A
ATOM	354	CG2	ILE	48	18.185	5.857	22.700	1.00	26.69	A
ATOM	355	CG1	ILE	48	18.388	7.613	24.470	1.00	26.60	A
ATOM	356	CD1	ILE	48	17.490	8.628	23.793	1.00	25.71	A
ATOM	357	C	ILE	48	21.115	5.162	23.304	1.00	29.77	A
ATOM	358	O	ILE	48	20.959	4.006	22.912	1.00	29.06	A
ATOM	359	N	ARG	49	22.135	5.927	22.934	1.00	32.23	A
ATOM	360	CA	ARG	49	23.160	5.461	22.014	1.00	36.58	A
ATOM	361	CB	ARG	49	24.187	6.577	21.777	1.00	38.28	A
ATOM	362	CG	ARG	49	24.753	6.621	20.375	1.00	40.84	A
ATOM	363	CD	ARG	49	23.682	7.033	19.373	1.00	44.51	A
ATOM	364	NE	ARG	49	24.221	7.784	18.240	1.00	47.33	A
ATOM	365	CZ	ARG	49	25.323	7.452	17.570	1.00	47.80	A
ATOM	366	NH1	ARG	49	26.018	6.372	17.914	1.00	47.10	A
ATOM	367	NH2	ARG	49	25.725	8.194	16.548	1.00	46.92	A
ATOM	368	C	ARG	49	23.862	4.227	22.585	1.00	38.44	A
ATOM	369	O	ARG	49	24.019	3.208	21.909	1.00	40.42	A
ATOM	370	N	LYS	50	24.278	4.328	23.841	1.00	38.03	A
ATOM	371	CA	LYS	50	24.975	3.248	24.525	1.00	36.83	A
ATOM	372	CB	LYS	50	25.279	3.684	25.952	1.00	37.35	A
ATOM	373	CG	LYS	50	25.964	2.626	26.796	1.00	40.72	A
ATOM	374	CD	LYS	50	27.429	2.960	27.030	1.00	41.37	A
ATOM	375	CE	LYS	50	27.599	4.392	27.511	1.00	44.39	A
ATOM	376	NZ	LYS	50	29.032	4.798	27.561	1.00	47.85	A
ATOM	377	C	LYS	50	24.213	1.919	24.551	1.00	36.69	A
ATOM	378	O	LYS	50	24.817	0.854	24.671	1.00	35.81	A
ATOM	379	N	ILE	51	22.890	1.982	24.439	1.00	35.96	A
ATOM	380	CA	ILE	51	22.062	0.782	24.474	1.00	35.56	A
ATOM	381	CB	ILE	51	20.577	1.141	24.612	1.00	34.05	A
ATOM	382	CG2	ILE	51	19.714	-0.058	24.261	1.00	31.47	A
ATOM	383	CG1	ILE	51	20.306	1.607	26.043	1.00	33.91	A
ATOM	384	CD1	ILE	51	18.863	1.928	26.333	1.00	36.27	A
ATOM	385	C	ILE	51	22.235	-0.110	23.258	1.00	37.00	A
ATOM	386	O	ILE	51	22.362	-1.324	23.388	1.00	36.83	A
ATOM	387	N	VAL	52	22.237	0.489	22.076	1.00	38.92	A
ATOM	388	CA	VAL	52	22.391	-0.282	20.858	1.00	41.12	A
ATOM	389	CB	VAL	52	22.120	0.601	19.604	1.00	40.76	A
ATOM	390	CG1	VAL	52	23.142	1.688	19.508	1.00	42.48	A
ATOM	391	CG2	VAL	52	22.133	-0.244	18.341	1.00	41.09	A
ATOM	392	C	VAL	52	23.798	-0.873	20.805	1.00	42.70	A
ATOM	393	O	VAL	52	23.992	-2.003	20.348	1.00	43.15	A
ATOM	394	N	LEU	53	24.766	-0.120	21.319	1.00	44.83	A

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ATOM	395	CA	LEU	53	26.171	-0.528	21.313	1.00	47.39	A
ATOM	396	CB	LEU	53	27.054	0.640	21.762	1.00	45.93	A
ATOM	397	CG	LEU	53	27.020	1.876	20.855	1.00	44.42	A
ATOM	398	CD1	LEU	53	27.969	2.933	21.381	1.00	43.88	A
ATOM	399	CD2	LEU	53	27.393	1.480	19.436	1.00	44.16	A
ATOM	400	C	LEU	53	26.536	-1.773	22.115	1.00	49.72	A
ATOM	401	O	LEU	53	27.392	-2.553	21.689	1.00	50.88	A
ATOM	402	N	GLU	54	25.908	-1.966	23.272	1.00	52.50	A
ATOM	403	CA	GLU	54	26.215	-3.135	24.099	1.00	55.23	A
ATOM	404	CB	GLU	54	26.523	-2.696	25.546	1.00	57.10	A
ATOM	405	CG	GLU	54	27.503	-1.501	25.668	1.00	60.18	A
ATOM	406	CD	GLU	54	28.865	-1.856	26.291	1.00	61.65	A
ATOM	407	OE1	GLU	54	28.918	-2.722	27.194	1.00	62.65	A
ATOM	408	OE2	GLU	54	29.888	-1.256	25.878	1.00	60.64	A
ATOM	409	C	GLU	54	25.129	-4.219	24.075	1.00	54.90	A
ATOM	410	O	GLU	54	24.898	-4.905	25.068	1.00	55.38	A
ATOM	411	N	GLY	55	24.465	-4.359	22.928	1.00	55.29	A
ATOM	412	CA	GLY	55	23.440	-5.380	22.727	1.00	56.52	A
ATOM	413	C	GLY	55	23.817	-5.965	21.372	1.00	57.57	A
ATOM	414	O	GLY	55	23.789	-5.235	20.378	1.00	58.88	A
ATOM	415	N	ASN	56	24.157	-7.257	21.308	1.00	57.68	A
ATOM	416	CA	ASN	56	24.625	-7.847	20.038	1.00	57.61	A
ATOM	417	CB	ASN	56	25.190	-9.264	20.248	1.00	58.29	A
ATOM	418	CG	ASN	56	24.455	-10.052	21.301	1.00	59.27	A
ATOM	419	OD1	ASN	56	24.993	-11.018	21.848	1.00	61.14	A
ATOM	420	ND2	ASN	56	23.221	-9.661	21.588	1.00	60.14	A
ATOM	421	C	ASN	56	23.739	-7.856	18.781	1.00	56.28	A
ATOM	422	O	ASN	56	23.919	-7.016	17.898	1.00	57.68	A
ATOM	423	N	ASP	57	22.826	-8.813	18.657	1.00	53.31	A
ATOM	424	CA	ASP	57	21.994	-8.847	17.457	1.00	49.64	A
ATOM	425	CB	ASP	57	21.827	-10.282	16.941	1.00	55.11	A
ATOM	426	CG	ASP	57	21.994	-11.325	18.036	1.00	60.39	A
ATOM	427	OD1	ASP	57	21.377	-11.162	19.115	1.00	62.29	A
ATOM	428	OD2	ASP	57	22.745	-12.310	17.813	1.00	62.30	A
ATOM	429	C	ASP	57	20.628	-8.237	17.715	1.00	44.53	A
ATOM	430	O	ASP	57	19.614	-8.921	17.648	1.00	43.89	A
ATOM	431	N	MET	58	20.614	-6.939	17.999	1.00	37.61	A
ATOM	432	CA	MET	58	19.386	-6.213	18.266	1.00	30.04	A
ATOM	433	CB	MET	58	19.721	-4.856	18.873	1.00	27.21	A
ATOM	434	CG	MET	58	18.538	-4.129	19.490	1.00	21.68	A
ATOM	435	SD	MET	58	19.065	-2.559	20.141	1.00	13.77	A
ATOM	436	CE	MET	58	20.309	-3.111	21.333	1.00	15.00	A
ATOM	437	C	MET	58	18.589	-6.008	16.987	1.00	28.14	A
ATOM	438	O	MET	58	19.157	-5.727	15.934	1.00	28.52	A
ATOM	439	N	ASP	59	17.273	-6.157	17.085	1.00	23.91	A
ATOM	440	CA	ASP	59	16.418	-5.960	15.928	1.00	22.60	A
ATOM	441	CB	ASP	59	14.951	-5.899	16.370	1.00	23.15	A
ATOM	442	CG	ASP	59	14.004	-5.615	15.220	1.00	24.20	A
ATOM	443	OD1	ASP	59	13.480	-6.583	14.629	1.00	24.88	A
ATOM	444	OD2	ASP	59	13.780	-4.428	14.905	1.00	25.85	A
ATOM	445	C	ASP	59	16.843	-4.637	15.293	1.00	21.41	A
ATOM	446	O	ASP	59	17.139	-3.679	16.004	1.00	19.52	A
ATOM	447	N	ILE	60	16.886	-4.583	13.963	1.00	22.14	A
ATOM	448	CA	ILE	60	17.296	-3.365	13.279	1.00	21.20	A
ATOM	449	CB	ILE	60	17.653	-3.638	11.808	1.00	18.94	A
ATOM	450	CG2	ILE	60	18.920	-4.455	11.733	1.00	18.95	A
ATOM	451	CG1	ILE	60	16.505	-4.347	11.112	1.00	17.72	A

Fig. 2A-7

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ATOM	452	CD1	ILE	60	16.510	-4.136	9.614	1.00	17.04	A
ATOM	453	C	ILE	60	16.277	-2.226	13.354	1.00	21.86	A
ATOM	454	O	ILE	60	16.653	-1.054	13.317	1.00	22.47	A
ATOM	455	N	ARG	61	14.993	-2.554	13.453	1.00	19.83	A
ATOM	456	CA	ARG	61	13.975	-1.519	13.566	1.00	19.98	A
ATOM	457	CB	ARG	61	12.596	-2.126	13.394	1.00	20.07	A
ATOM	458	CG	ARG	61	12.292	-2.512	11.979	1.00	21.25	A
ATOM	459	CD	ARG	61	10.814	-2.675	11.799	1.00	23.50	A
ATOM	460	NE	ARG	61	10.446	-2.820	10.394	1.00	25.00	A
ATOM	461	CZ	ARG	61	9.313	-2.356	9.878	1.00	27.62	A
ATOM	462	NH1	ARG	61	9.049	-2.527	8.593	1.00	28.14	A
ATOM	463	NH2	ARG	61	8.444	-1.709	10.650	1.00	31.61	A
ATOM	464	C	ARG	61	14.061	-0.875	14.944	1.00	19.84	A
ATOM	465	O	ARG	61	13.664	0.273	15.145	1.00	20.49	A
ATOM	466	N	THR	62	14.587	-1.640	15.889	1.00	21.09	A
ATOM	467	CA	THR	62	14.731	-1.208	17.269	1.00	19.87	A
ATOM	468	CB	THR	62	14.911	-2.442	18.194	1.00	20.87	A
ATOM	469	OG1	THR	62	13.694	-3.198	18.208	1.00	21.98	A
ATOM	470	CG2	THR	62	15.252	-2.027	19.618	1.00	19.80	A
ATOM	471	C	THR	62	15.913	-0.263	17.425	1.00	19.52	A
ATOM	472	O	THR	62	15.811	0.771	18.094	1.00	18.28	A
ATOM	473	N	GLU	63	17.037	-0.604	16.804	1.00	19.15	A
ATOM	474	CA	GLU	63	18.220	0.250	16.903	1.00	18.99	A
ATOM	475	CB	GLU	63	19.471	-0.529	16.509	1.00	19.03	A
ATOM	476	CG	GLU	63	19.288	-1.491	15.381	1.00	21.37	A
ATOM	477	CD	GLU	63	20.619	-2.034	14.930	1.00	25.03	A
ATOM	478	OE1	GLU	63	21.082	-1.623	13.840	1.00	26.31	A
ATOM	479	OE2	GLU	63	21.212	-2.856	15.664	1.00	25.70	A
ATOM	480	C	GLU	63	18.088	1.509	16.050	1.00	17.94	A
ATOM	481	O	GLU	63	18.832	2.467	16.211	1.00	21.25	A
ATOM	482	N	ALA	64	17.138	1.491	15.132	1.00	15.64	A
ATOM	483	CA	ALA	64	16.899	2.641	14.297	1.00	15.57	A
ATOM	484	CB	ALA	64	16.143	2.223	13.003	1.00	13.61	A
ATOM	485	C	ALA	64	16.037	3.575	15.172	1.00	15.81	A
ATOM	486	O	ALA	64	16.356	4.752	15.363	1.00	16.61	A
ATOM	487	N	MET	65	14.974	3.018	15.743	1.00	13.79	A
ATOM	488	CA	MET	65	14.087	3.794	16.604	1.00	13.69	A
ATOM	489	CB	MET	65	13.039	2.874	17.251	1.00	12.94	A
ATOM	490	CG	MET	65	11.582	3.210	16.978	1.00	11.73	A
ATOM	491	SD	MET	65	10.527	1.815	17.282	1.00	6.30	A
ATOM	492	CE	MET	65	9.097	2.396	16.652	1.00	5.95	A
ATOM	493	C	MET	65	14.926	4.462	17.699	1.00	12.98	A
ATOM	494	O	MET	65	14.797	5.653	17.945	1.00	13.88	A
ATOM	495	N	LEU	66	15.781	3.678	18.357	1.00	13.83	A
ATOM	496	CA	LEU	66	16.629	4.188	19.433	1.00	13.28	A
ATOM	497	CB	LEU	66	17.479	3.066	20.058	1.00	13.35	A
ATOM	498	CG	LEU	66	16.816	2.125	21.081	1.00	15.56	A
ATOM	499	CD1	LEU	66	17.852	1.159	21.623	1.00	13.13	A
ATOM	500	CD2	LEU	66	16.210	2.910	22.238	1.00	14.87	A
ATOM	501	C	LEU	66	17.558	5.290	18.948	1.00	13.84	A
ATOM	502	O	LEU	66	17.884	6.191	19.711	1.00	14.62	A
ATOM	503	N	PHE	67	17.994	5.197	17.694	1.00	14.84	A
ATOM	504	CA	PHE	67	18.898	6.196	17.109	1.00	15.86	A
ATOM	505	CB	PHE	67	19.591	5.612	15.865	1.00	17.75	A
ATOM	506	CG	PHE	67	21.020	5.206	16.103	1.00	20.57	A
ATOM	507	CD1	PHE	67	22.060	6.051	15.749	1.00	25.92	A
ATOM	508	CD2	PHE	67	21.327	3.989	16.691	1.00	22.84	A

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ATOM	509	CE1	PHE	67	23.382	5.691	15.974	1.00	26.79	A
ATOM	510	CE2	PHE	67	22.645	3.624	16.921	1.00	23.85	A
ATOM	511	CZ	PHE	67	23.674	4.475	16.563	1.00	23.88	A
ATOM	512	C	PHE	67	18.092	7.441	16.742	1.00	14.03	A
ATOM	513	O	PHE	67	18.580	8.570	16.807	1.00	12.55	A
ATOM	514	N	ALA	68	16.843	7.212	16.364	1.00	13.48	A
ATOM	515	CA	ALA	68	15.953	8.298	16.022	1.00	14.76	A
ATOM	516	CB	ALA	68	14.606	7.734	15.543	1.00	16.19	A
ATOM	517	C	ALA	68	15.742	9.196	17.249	1.00	16.89	A
ATOM	518	O	ALA	68	15.695	10.427	17.121	1.00	16.90	A
ATOM	519	N	ALA	69	15.633	8.556	18.422	1.00	17.12	A
ATOM	520	CA	ALA	69	15.410	9.209	19.715	1.00	14.85	A
ATOM	521	CB	ALA	69	14.931	8.187	20.734	1.00	13.25	A
ATOM	522	C	ALA	69	16.668	9.888	20.216	1.00	16.30	A
ATOM	523	O	ALA	69	16.610	10.831	21.000	1.00	14.16	A
ATOM	524	N	SER	70	17.811	9.374	19.779	1.00	17.73	A
ATOM	525	CA	SER	70	19.103	9.943	20.123	1.00	19.15	A
ATOM	526	CB	SER	70	20.195	8.894	19.867	1.00	17.01	A
ATOM	527	OG	SER	70	21.462	9.336	20.308	1.00	15.22	A
ATOM	528	C	SER	70	19.284	11.179	19.199	1.00	22.47	A
ATOM	529	O	SER	70	19.919	12.180	19.569	1.00	22.68	A
ATOM	530	N	ARG	71	18.700	11.102	18.001	1.00	23.16	A
ATOM	531	CA	ARG	71	18.763	12.187	17.022	1.00	24.02	A
ATOM	532	CB	ARG	71	18.330	11.688	15.642	1.00	23.12	A
ATOM	533	CG	ARG	71	18.342	12.757	14.554	1.00	24.85	A
ATOM	534	CD	ARG	71	17.961	12.183	13.187	1.00	27.81	A
ATOM	535	NE	ARG	71	18.976	11.257	12.684	1.00	33.70	A
ATOM	536	CZ	ARG	71	18.776	9.957	12.474	1.00	36.24	A
ATOM	537	NH1	ARG	71	19.761	9.198	12.019	1.00	39.64	A
ATOM	538	NH2	ARG	71	17.591	9.413	12.713	1.00	36.44	A
ATOM	539	C	ARG	71	17.848	13.320	17.447	1.00	24.53	A
ATOM	540	O	ARG	71	17.976	14.444	16.972	1.00	26.57	A
ATOM	541	N	ARG	72	16.916	13.014	18.336	1.00	26.02	A
ATOM	542	CA	ARG	72	15.978	14.001	18.849	1.00	26.19	A
ATOM	543	CB	ARG	72	14.686	13.301	19.269	1.00	27.68	A
ATOM	544	CG	ARG	72	13.643	14.229	19.823	1.00	30.87	A
ATOM	545	CD	ARG	72	12.452	14.321	18.897	1.00	32.04	A
ATOM	546	NE	ARG	72	11.528	15.370	19.321	1.00	32.80	A
ATOM	547	CZ	ARG	72	11.423	16.554	18.728	1.00	34.02	A
ATOM	548	NH1	ARG	72	10.554	17.441	19.185	1.00	30.93	A
ATOM	549	NH2	ARG	72	12.188	16.849	17.678	1.00	32.67	A
ATOM	550	C	ARG	72	16.569	14.778	20.041	1.00	25.47	A
ATOM	551	O	ARG	72	16.353	15.987	20.173	1.00	25.92	A
ATOM	552	N	GLU	73	17.318	14.089	20.901	1.00	23.88	A
ATOM	553	CA	GLU	73	17.917	14.737	22.069	1.00	23.70	A
ATOM	554	CB	GLU	73	18.510	13.706	23.042	1.00	24.81	A
ATOM	555	CG	GLU	73	17.470	12.934	23.861	1.00	27.04	A
ATOM	556	CD	GLU	73	16.527	13.841	24.631	1.00	27.69	A
ATOM	557	OE1	GLU	73	15.377	14.044	24.180	1.00	26.28	A
ATOM	558	OE2	GLU	73	16.943	14.349	25.694	1.00	32.51	A
ATOM	559	C	GLU	73	19.004	15.682	21.620	1.00	21.89	A
ATOM	560	O	GLU	73	19.059	16.826	22.062	1.00	22.04	A
ATOM	561	N	HIS	74	19.872	15.189	20.744	1.00	20.57	A
ATOM	562	CA	HIS	74	20.972	15.979	20.197	1.00	19.43	A
ATOM	563	CB	HIS	74	21.698	15.169	19.104	1.00	19.74	A
ATOM	564	CG	HIS	74	22.772	15.927	18.381	1.00	18.47	A
ATOM	565	CD2	HIS	74	24.069	16.156	18.689	1.00	17.84	A

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ATOM	566	ND1	HIS	74	22.561	16.519	17.151	1.00	15.64	A
ATOM	567	CE1	HIS	74	23.689	17.079	16.739	1.00	14.64	A
ATOM	568	NE2	HIS	74	24.615	16.870	17.654	1.00	18.09	A
ATOM	569	C	HIS	74	20.413	17.267	19.599	1.00	17.65	A
ATOM	570	O	HIS	74	21.003	18.342	19.723	1.00	17.62	A
ATOM	571	N	LEU	75	19.255	17.129	18.969	1.00	16.80	A
ATOM	572	CA	LEU	75	18.556	18.209	18.293	1.00	17.58	A
ATOM	573	CB	LEU	75	17.520	17.592	17.357	1.00	16.00	A
ATOM	574	CG	LEU	75	16.787	18.482	16.373	1.00	16.84	A
ATOM	575	CD1	LEU	75	17.606	18.574	15.095	1.00	17.06	A
ATOM	576	CD2	LEU	75	15.401	17.910	16.101	1.00	14.46	A
ATOM	577	C	LEU	75	17.876	19.181	19.238	1.00	18.49	A
ATOM	578	O	LEU	75	18.017	20.390	19.103	1.00	19.92	A
ATOM	579	N	VAL	76	17.128	18.642	20.189	1.00	19.25	A
ATOM	580	CA	VAL	76	16.404	19.445	21.160	1.00	21.23	A
ATOM	581	CB	VAL	76	15.332	18.567	21.856	1.00	23.42	A
ATOM	582	CG1	VAL	76	14.798	19.243	23.116	1.00	22.32	A
ATOM	583	CG2	VAL	76	14.208	18.273	20.878	1.00	23.82	A
ATOM	584	C	VAL	76	17.301	20.088	22.220	1.00	22.23	A
ATOM	585	O	VAL	76	17.098	21.237	22.602	1.00	22.44	A
ATOM	586	N	LEU	77	18.302	19.350	22.686	1.00	24.07	A
ATOM	587	CA	LEU	77	19.197	19.844	23.731	1.00	24.71	A
ATOM	588	CB	LEU	77	19.509	18.717	24.718	1.00	24.97	A
ATOM	589	CG	LEU	77	18.283	18.178	25.454	1.00	25.12	A
ATOM	590	CD1	LEU	77	18.647	16.937	26.267	1.00	24.22	A
ATOM	591	CD2	LEU	77	17.728	19.285	26.344	1.00	25.02	A
ATOM	592	C	LEU	77	20.510	20.447	23.264	1.00	24.28	A
ATOM	593	O	LEU	77	21.315	20.888	24.089	1.00	24.26	A
ATOM	594	N	LYS	78	20.736	20.476	21.959	1.00	23.77	A
ATOM	595	CA	LYS	78	21.988	21.024	21.457	1.00	21.74	A
ATOM	596	CB	LYS	78	22.987	19.887	21.227	1.00	22.10	A
ATOM	597	CG	LYS	78	24.418	20.363	21.034	1.00	26.45	A
ATOM	598	CD	LYS	78	25.341	19.227	20.609	1.00	27.57	A
ATOM	599	CE	LYS	78	26.778	19.568	20.957	1.00	28.49	A
ATOM	600	NZ	LYS	78	27.735	18.750	20.168	1.00	30.24	A
ATOM	601	C	LYS	78	21.849	21.847	20.177	1.00	19.07	A
ATOM	602	O	LYS	78	22.330	22.974	20.103	1.00	19.94	A
ATOM	603	N	VAL	79	21.178	21.294	19.178	1.00	16.59	A
ATOM	604	CA	VAL	79	21.023	21.982	17.912	1.00	15.79	A
ATOM	605	CB	VAL	79	20.682	20.972	16.790	1.00	15.19	A
ATOM	606	CG1	VAL	79	20.319	21.699	15.501	1.00	9.66	A
ATOM	607	CG2	VAL	79	21.883	20.058	16.559	1.00	12.64	A
ATOM	608	C	VAL	79	20.010	23.124	17.918	1.00	16.55	A
ATOM	609	O	VAL	79	20.361	24.260	17.603	1.00	16.63	A
ATOM	610	N	ILE	80	18.763	22.843	18.271	1.00	14.58	A
ATOM	611	CA	ILE	80	17.753	23.891	18.284	1.00	15.10	A
ATOM	612	CB	ILE	80	16.428	23.372	18.856	1.00	13.78	A
ATOM	613	CG2	ILE	80	15.578	24.540	19.343	1.00	12.16	A
ATOM	614	CG1	ILE	80	15.685	22.588	17.770	1.00	9.95	A
ATOM	615	CD1	ILE	80	14.622	21.665	18.293	1.00	8.33	A
ATOM	616	C	ILE	80	18.210	25.123	19.063	1.00	18.01	A
ATOM	617	O	ILE	80	18.219	26.244	18.531	1.00	19.52	A
ATOM	618	N	PRO	81	18.573	24.948	20.341	1.00	19.27	A
ATOM	619	CD	PRO	81	18.568	23.731	21.167	1.00	18.02	A
ATOM	620	CA	PRO	81	19.024	26.125	21.086	1.00	19.76	A
ATOM	621	CB	PRO	81	19.618	25.551	22.368	1.00	18.30	A
ATOM	622	CG	PRO	81	19.524	24.055	22.250	1.00	17.68	A

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ATOM	623	C	PRO	81	20.064	26.911	20.296	1.00	21.52	A
ATOM	624	O	PRO	81	19.884	28.096	20.032	1.00	24.42	A
ATOM	625	N	ALA	82	21.147	26.246	19.910	1.00	20.79	A
ATOM	626	CA	ALA	82	22.212	26.908	19.156	1.00	21.00	A
ATOM	627	CB	ALA	82	23.231	25.883	18.682	1.00	19.36	A
ATOM	628	C	ALA	82	21.681	27.709	17.966	1.00	20.35	A
ATOM	629	O	ALA	82	22.167	28.808	17.685	1.00	21.95	A
ATOM	630	N	LEU	83	20.684	27.163	17.277	1.00	19.97	A
ATOM	631	CA	LEU	83	20.095	27.834	16.130	1.00	20.55	A
ATOM	632	CB	LEU	83	19.140	26.887	15.386	1.00	18.99	A
ATOM	633	CG	LEU	83	19.716	25.588	14.779	1.00	18.41	A
ATOM	634	CD1	LEU	83	18.705	24.977	13.822	1.00	15.72	A
ATOM	635	CD2	LEU	83	21.011	25.871	14.039	1.00	16.05	A
ATOM	636	C	LEU	83	19.349	29.086	16.588	1.00	23.59	A
ATOM	637	O	LEU	83	19.175	30.028	15.814	1.00	23.10	A
ATOM	638	N	LYS	84	18.921	29.094	17.850	1.00	25.75	A
ATOM	639	CA	LYS	84	18.192	30.232	18.416	1.00	27.61	A
ATOM	640	CB	LYS	84	17.167	29.736	19.435	1.00	28.01	A
ATOM	641	CG	LYS	84	15.981	29.070	18.795	1.00	29.06	A
ATOM	642	CD	LYS	84	15.231	28.263	19.815	1.00	31.01	A
ATOM	643	CE	LYS	84	13.946	27.717	19.237	1.00	33.77	A
ATOM	644	NZ	LYS	84	13.330	26.759	20.197	1.00	36.32	A
ATOM	645	C	LYS	84	19.101	31.280	19.061	1.00	27.07	A
ATOM	646	O	LYS	84	18.646	32.367	19.419	1.00	26.91	A
ATOM	647	N	GLU	85	20.373	30.928	19.235	1.00	28.01	A
ATOM	648	CA	GLU	85	21.367	31.843	19.785	1.00	27.28	A
ATOM	649	CB	GLU	85	22.469	31.075	20.523	1.00	29.14	A
ATOM	650	CG	GLU	85	21.952	29.927	21.370	1.00	36.53	A
ATOM	651	CD	GLU	85	23.062	29.140	22.070	1.00	42.07	A
ATOM	652	OE1	GLU	85	22.981	28.955	23.305	1.00	44.49	A
ATOM	653	OE2	GLU	85	24.018	28.702	21.391	1.00	44.75	A
ATOM	654	C	GLU	85	21.948	32.540	18.554	1.00	26.23	A
ATOM	655	O	GLU	85	22.845	33.378	18.661	1.00	26.25	A
ATOM	656	N	GLY	86	21.410	32.167	17.389	1.00	26.07	A
ATOM	657	CA	GLY	86	21.828	32.717	16.111	1.00	26.47	A
ATOM	658	C	GLY	86	23.140	32.155	15.589	1.00	26.86	A
ATOM	659	O	GLY	86	23.925	32.897	14.991	1.00	29.40	A
ATOM	660	N	LYS	87	23.383	30.861	15.798	1.00	24.80	A
ATOM	661	CA	LYS	87	24.630	30.231	15.355	1.00	23.74	A
ATOM	662	CB	LYS	87	25.139	29.249	16.414	1.00	20.75	A
ATOM	663	CG	LYS	87	25.231	29.817	17.791	1.00	19.79	A
ATOM	664	CD	LYS	87	26.236	29.057	18.627	1.00	23.47	A
ATOM	665	CE	LYS	87	27.341	29.981	19.117	1.00	25.56	A
ATOM	666	NZ	LYS	87	28.131	29.426	20.248	1.00	28.30	A
ATOM	667	C	LYS	87	24.542	29.479	14.028	1.00	23.80	A
ATOM	668	O	LYS	87	23.444	29.157	13.557	1.00	23.85	A
ATOM	669	N	VAL	88	25.708	29.229	13.418	1.00	22.55	A
ATOM	670	CA	VAL	88	25.792	28.439	12.182	1.00	20.90	A
ATOM	671	CB	VAL	88	26.983	28.837	11.263	1.00	18.57	A
ATOM	672	CG1	VAL	88	27.025	27.919	10.055	1.00	17.56	A
ATOM	673	CG2	VAL	88	26.862	30.293	10.823	1.00	17.32	A
ATOM	674	C	VAL	88	26.094	27.054	12.743	1.00	20.89	A
ATOM	675	O	VAL	88	26.995	26.904	13.584	1.00	19.91	A
ATOM	676	N	VAL	89	25.355	26.047	12.290	1.00	20.24	A
ATOM	677	CA	VAL	89	25.545	24.698	12.807	1.00	20.70	A
ATOM	678	CB	VAL	89	24.282	24.231	13.596	1.00	20.44	A
ATOM	679	CG1	VAL	89	24.446	22.783	14.042	1.00	20.47	A

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ATOM	680	CG2	VAL	89	24.054	25.139	14.807	1.00	18.39	A
ATOM	681	C	VAL	89	25.870	23.678	11.730	1.00	19.98	A
ATOM	682	O	VAL	89	25.033	23.374	10.884	1.00	19.26	A
ATOM	683	N	LEU	90	27.096	23.160	11.771	1.00	20.84	A
ATOM	684	CA	LEU	90	27.553	22.146	10.819	1.00	21.88	A
ATOM	685	CB	LEU	90	29.030	22.386	10.468	1.00	20.28	A
ATOM	686	CG	LEU	90	29.474	23.858	10.350	1.00	20.78	A
ATOM	687	CD1	LEU	90	30.958	23.947	10.019	1.00	19.33	A
ATOM	688	CD2	LEU	90	28.668	24.552	9.265	1.00	16.38	A
ATOM	689	C	LEU	90	27.382	20.774	11.488	1.00	22.30	A
ATOM	690	O	LEU	90	28.056	20.475	12.473	1.00	23.77	A
ATOM	691	N	CYS	91	26.471	19.959	10.957	1.00	22.03	A
ATOM	692	CA	CYS	91	26.176	18.630	11.496	1.00	21.39	A
ATOM	693	CB	CYS	91	24.661	18.457	11.665	1.00	22.53	A
ATOM	694	SG	CYS	91	24.144	17.040	12.697	1.00	21.80	A
ATOM	695	C	CYS	91	26.699	17.530	10.588	1.00	21.52	A
ATOM	696	O	CYS	91	26.354	17.477	9.409	1.00	20.26	A
ATOM	697	N	ASP	92	27.517	16.642	11.148	1.00	24.32	A
ATOM	698	CA	ASP	92	28.075	15.531	10.385	1.00	26.69	A
ATOM	699	CB	ASP	92	28.882	14.604	11.291	1.00	27.62	A
ATOM	700	CG	ASP	92	29.926	13.815	10.522	1.00	27.97	A
ATOM	701	OD1	ASP	92	29.592	13.260	9.449	1.00	27.64	A
ATOM	702	OD2	ASP	92	31.084	13.746	10.989	1.00	28.87	A
ATOM	703	C	ASP	92	26.960	14.753	9.698	1.00	26.77	A
ATOM	704	O	ASP	92	26.741	14.921	8.504	1.00	28.83	A
ATOM	705	N	ARG	93	26.235	13.923	10.440	1.00	24.99	A
ATOM	706	CA	ARG	93	25.139	13.168	9.830	1.00	24.14	A
ATOM	707	CB	ARG	93	25.296	11.669	10.107	1.00	25.33	A
ATOM	708	CG	ARG	93	26.725	11.168	10.049	1.00	28.85	A
ATOM	709	CD	ARG	93	26.861	10.074	9.024	1.00	31.63	A
ATOM	710	NE	ARG	93	28.233	9.947	8.560	1.00	36.01	A
ATOM	711	CZ	ARG	93	28.748	8.846	8.020	1.00	37.75	A
ATOM	712	NH1	ARG	93	28.000	7.766	7.860	1.00	41.65	A
ATOM	713	NH2	ARG	93	30.016	8.822	7.636	1.00	38.28	A
ATOM	714	C	ARG	93	23.769	13.629	10.336	1.00	22.98	A
ATOM	715	O	ARG	93	23.652	14.224	11.405	1.00	22.48	A
ATOM	716	N	TYR	94	22.731	13.346	9.561	1.00	21.60	A
ATOM	717	CA	TYR	94	21.379	13.715	9.936	1.00	20.59	A
ATOM	718	CB	TYR	94	21.077	15.167	9.522	1.00	20.27	A
ATOM	719	CG	TYR	94	19.914	15.812	10.268	1.00	19.09	A
ATOM	720	CD1	TYR	94	19.855	15.797	11.661	1.00	17.92	A
ATOM	721	CE1	TYR	94	18.800	16.411	12.347	1.00	20.57	A
ATOM	722	CD2	TYR	94	18.886	16.458	9.574	1.00	21.42	A
ATOM	723	CE2	TYR	94	17.826	17.077	10.246	1.00	21.48	A
ATOM	724	CZ	TYR	94	17.795	17.051	11.629	1.00	22.59	A
ATOM	725	OH	TYR	94	16.760	17.691	12.281	1.00	23.61	A
ATOM	726	C	TYR	94	20.392	12.738	9.294	1.00	20.62	A
ATOM	727	O	TYR	94	20.738	11.590	9.044	1.00	21.83	A
ATOM	728	N	ILE	95	19.170	13.186	9.024	1.00	18.95	A
ATOM	729	CA	ILE	95	18.161	12.300	8.461	1.00	20.80	A
ATOM	730	CB	ILE	95	16.851	13.066	8.131	1.00	20.01	A
ATOM	731	CG2	ILE	95	16.064	13.324	9.414	1.00	19.70	A
ATOM	732	CG1	ILE	95	17.165	14.389	7.434	1.00	22.09	A
ATOM	733	CD1	ILE	95	15.929	15.142	6.961	1.00	20.99	A
ATOM	734	C	ILE	95	18.611	11.527	7.228	1.00	22.45	A
ATOM	735	O	ILE	95	18.399	10.315	7.139	1.00	21.99	A
ATOM	736	N	ASP	96	19.247	12.223	6.292	1.00	24.25	A

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ATOM	737	CA	ASP	96	19.706	11.603	5.056	1.00	23.05	A
ATOM	738	CB	ASP	96	20.469	12.625	4.211	1.00	25.96	A
ATOM	739	CG	ASP	96	19.668	13.896	3.968	1.00	27.19	A
ATOM	740	OD1	ASP	96	18.570	13.798	3.366	1.00	27.07	A
ATOM	741	OD2	ASP	96	20.133	14.982	4.387	1.00	25.89	A
ATOM	742	C	ASP	96	20.563	10.366	5.278	1.00	21.62	A
ATOM	743	O	ASP	96	20.383	9.358	4.600	1.00	22.15	A
ATOM	744	N	SER	97	21.497	10.428	6.215	1.00	19.34	A
ATOM	745	CA	SER	97	22.346	9.275	6.474	1.00	20.14	A
ATOM	746	CB	SER	97	23.453	9.646	7.466	1.00	21.21	A
ATOM	747	OG	SER	97	23.986	8.495	8.092	1.00	26.38	A
ATOM	748	C	SER	97	21.497	8.124	7.018	1.00	19.98	A
ATOM	749	O	SER	97	21.724	6.964	6.698	1.00	17.31	A
ATOM	750	N	SER	98	20.507	8.459	7.837	1.00	20.55	A
ATOM	751	CA	SER	98	19.609	7.469	8.422	1.00	20.64	A
ATOM	752	CB	SER	98	18.667	8.151	9.422	1.00	21.56	A
ATOM	753	OG	SER	98	17.869	7.208	10.110	1.00	22.14	A
ATOM	754	C	SER	98	18.779	6.754	7.358	1.00	21.36	A
ATOM	755	O	SER	98	18.387	5.602	7.526	1.00	22.38	A
ATOM	756	N	LEU	99	18.506	7.450	6.264	1.00	21.90	A
ATOM	757	CA	LEU	99	17.722	6.896	5.170	1.00	21.25	A
ATOM	758	CB	LEU	99	17.226	8.020	4.269	1.00	22.12	A
ATOM	759	CG	LEU	99	15.784	8.463	4.408	1.00	24.85	A
ATOM	760	CD1	LEU	99	15.486	9.498	3.337	1.00	24.82	A
ATOM	761	CD2	LEU	99	14.855	7.257	4.288	1.00	26.36	A
ATOM	762	C	LEU	99	18.526	5.924	4.304	1.00	20.77	A
ATOM	763	O	LEU	99	18.075	4.829	3.998	1.00	18.96	A
ATOM	764	N	ALA	100	19.716	6.355	3.902	1.00	20.92	A
ATOM	765	CA	ALA	100	20.603	5.585	3.024	1.00	19.22	A
ATOM	766	CB	ALA	100	21.773	6.476	2.561	1.00	13.31	A
ATOM	767	C	ALA	100	21.142	4.308	3.629	1.00	17.15	A
ATOM	768	O	ALA	100	21.319	3.304	2.939	1.00	18.18	A
ATOM	769	N	TYR	101	21.416	4.353	4.921	1.00	18.02	A
ATOM	770	CA	TYR	101	21.959	3.203	5.626	1.00	20.84	A
ATOM	771	CB	TYR	101	22.783	3.671	6.832	1.00	19.33	A
ATOM	772	CG	TYR	101	24.146	4.242	6.501	1.00	19.81	A
ATOM	773	CD1	TYR	101	24.320	5.611	6.255	1.00	21.70	A
ATOM	774	CE1	TYR	101	25.595	6.153	6.002	1.00	21.57	A
ATOM	775	CD2	TYR	101	25.270	3.425	6.465	1.00	20.81	A
ATOM	776	CE2	TYR	101	26.550	3.955	6.213	1.00	22.58	A
ATOM	777	CZ	TYR	101	26.703	5.313	5.976	1.00	22.24	A
ATOM	778	OH	TYR	101	27.968	5.809	5.745	1.00	22.15	A
ATOM	779	C	TYR	101	20.865	2.246	6.095	1.00	22.06	A
ATOM	780	O	TYR	101	20.880	1.073	5.744	1.00	20.19	A
ATOM	781	N	GLN	102	19.921	2.753	6.887	1.00	25.20	A
ATOM	782	CA	GLN	102	18.835	1.930	7.427	1.00	27.87	A
ATOM	783	CB	GLN	102	18.204	2.623	8.642	1.00	30.86	A
ATOM	784	CG	GLN	102	19.209	3.153	9.661	1.00	35.49	A
ATOM	785	CD	GLN	102	19.516	2.154	10.771	1.00	39.58	A
ATOM	786	OE1	GLN	102	20.382	2.399	11.612	1.00	40.43	A
ATOM	787	NE2	GLN	102	18.803	1.024	10.778	1.00	40.84	A
ATOM	788	C	GLN	102	17.735	1.576	6.426	1.00	26.37	A
ATOM	789	O	GLN	102	17.367	0.409	6.283	1.00	25.92	A
ATOM	790	N	GLY	103	17.199	2.586	5.751	1.00	25.71	A
ATOM	791	CA	GLY	103	16.144	2.358	4.783	1.00	25.94	A
ATOM	792	C	GLY	103	16.586	1.561	3.568	1.00	26.88	A
ATOM	793	O	GLY	103	15.935	0.581	3.204	1.00	27.07	A

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ATOM	794	N	TYR	104	17.686	1.985	2.943	1.00	26.94	A
ATOM	795	CA	TYR	104	18.228	1.331	1.750	1.00	27.19	A
ATOM	796	CB	TYR	104	18.933	2.354	0.852	1.00	30.54	A
ATOM	797	CG	TYR	104	18.005	3.263	0.067	1.00	34.90	A
ATOM	798	CD1	TYR	104	17.693	4.540	0.535	1.00	36.85	A
ATOM	799	CE1	TYR	104	16.846	5.388	-0.180	1.00	38.45	A
ATOM	800	CD2	TYR	104	17.444	2.854	-1.147	1.00	36.59	A
ATOM	801	CE2	TYR	104	16.589	3.699	-1.877	1.00	38.04	A
ATOM	802	CZ	TYR	104	16.292	4.967	-1.383	1.00	39.23	A
ATOM	803	OH	TYR	104	15.424	5.808	-2.064	1.00	38.53	A
ATOM	804	C	TYR	104	19.203	0.191	2.038	1.00	26.08	A
ATOM	805	O	TYR	104	18.856	-0.984	1.901	1.00	26.13	A
ATOM	806	N	ALA	105	20.428	0.533	2.421	1.00	23.92	A
ATOM	807	CA	ALA	105	21.434	-0.485	2.694	1.00	23.91	A
ATOM	808	CB	ALA	105	22.658	0.157	3.342	1.00	23.02	A
ATOM	809	C	ALA	105	20.917	-1.646	3.552	1.00	23.55	A
ATOM	810	O	ALA	105	20.992	-2.799	3.140	1.00	24.77	A
ATOM	811	N	ARG	106	20.389	-1.347	4.736	1.00	24.01	A
ATOM	812	CA	ARG	106	19.870	-2.379	5.633	1.00	22.65	A
ATOM	813	CB	ARG	106	19.794	-1.850	7.070	1.00	24.32	A
ATOM	814	CG	ARG	106	21.128	-1.555	7.715	1.00	28.27	A
ATOM	815	CD	ARG	106	21.582	-2.686	8.628	1.00	33.76	A
ATOM	816	NE	ARG	106	23.006	-2.996	8.465	1.00	37.41	A
ATOM	817	CZ	ARG	106	24.000	-2.135	8.681	1.00	38.55	A
ATOM	818	NH1	ARG	106	25.260	-2.519	8.503	1.00	40.28	A
ATOM	819	NH2	ARG	106	23.742	-0.890	9.068	1.00	39.48	A
ATOM	820	C	ARG	106	18.480	-2.853	5.209	1.00	21.73	A
ATOM	821	O	ARG	106	17.971	-3.852	5.712	1.00	20.70	A
ATOM	822	N	GLY	107	17.855	-2.126	4.297	1.00	22.27	A
ATOM	823	CA	GLY	107	16.537	-2.513	3.849	1.00	22.90	A
ATOM	824	C	GLY	107	15.539	-2.657	4.984	1.00	24.59	A
ATOM	825	O	GLY	107	15.475	-3.696	5.633	1.00	26.41	A
ATOM	826	N	ILE	108	14.774	-1.597	5.227	1.00	25.03	A
ATOM	827	CA	ILE	108	13.727	-1.568	6.245	1.00	24.70	A
ATOM	828	CB	ILE	108	14.060	-0.580	7.416	1.00	24.54	A
ATOM	829	CG2	ILE	108	12.777	-0.049	8.046	1.00	23.40	A
ATOM	830	CG1	ILE	108	14.866	-1.289	8.507	1.00	24.63	A
ATOM	831	CD1	ILE	108	15.183	-0.408	9.704	1.00	21.76	A
ATOM	832	C	ILE	108	12.571	-0.984	5.445	1.00	24.77	A
ATOM	833	O	ILE	108	11.405	-1.390	5.567	1.00	25.42	A
ATOM	834	N	GLY	109	12.946	-0.039	4.588	1.00	23.73	A
ATOM	835	CA	GLY	109	12.003	0.677	3.754	1.00	23.72	A
ATOM	836	C	GLY	109	12.402	2.140	3.849	1.00	25.69	A
ATOM	837	O	GLY	109	12.549	2.692	4.941	1.00	23.78	A
ATOM	838	N	VAL	110	12.598	2.777	2.704	1.00	26.91	A
ATOM	839	CA	VAL	110	12.993	4.175	2.684	1.00	26.24	A
ATOM	840	CB	VAL	110	13.265	4.633	1.258	1.00	26.57	A
ATOM	841	CG1	VAL	110	13.996	5.957	1.273	1.00	25.14	A
ATOM	842	CG2	VAL	110	14.059	3.565	0.524	1.00	28.75	A
ATOM	843	C	VAL	110	11.899	5.052	3.260	1.00	26.51	A
ATOM	844	O	VAL	110	12.162	5.953	4.058	1.00	25.18	A
ATOM	845	N	GLU	111	10.671	4.774	2.833	1.00	28.16	A
ATOM	846	CA	GLU	111	9.496	5.523	3.257	1.00	30.38	A
ATOM	847	CB	GLU	111	8.287	5.123	2.405	1.00	34.66	A
ATOM	848	CG	GLU	111	7.236	6.213	2.239	1.00	40.60	A
ATOM	849	CD	GLU	111	7.742	7.423	1.460	1.00	44.78	A
ATOM	850	OE1	GLU	111	8.856	7.365	0.883	1.00	45.65	A

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ATOM	851	OE2	GLU	111	7.016	8.441	1.428	1.00	45.57	A
ATOM	852	C	GLU	111	9.186	5.284	4.722	1.00	29.21	A
ATOM	853	O	GLU	111	8.683	6.170	5.406	1.00	28.77	A
ATOM	854	N	GLU	112	9.493	4.083	5.200	1.00	28.86	A
ATOM	855	CA	GLU	112	9.243	3.727	6.593	1.00	28.99	A
ATOM	856	CB	GLU	112	9.289	2.210	6.768	1.00	30.84	A
ATOM	857	CG	GLU	112	8.747	1.437	5.577	1.00	34.20	A
ATOM	858	CD	GLU	112	7.794	0.343	5.995	1.00	38.64	A
ATOM	859	OE1	GLU	112	8.176	-0.479	6.861	1.00	40.64	A
ATOM	860	OE2	GLU	112	6.661	0.305	5.463	1.00	40.42	A
ATOM	861	C	GLU	112	10.265	4.381	7.514	1.00	27.76	A
ATOM	862	O	GLU	112	9.908	4.948	8.546	1.00	29.61	A
ATOM	863	N	VAL	113	11.537	4.306	7.138	1.00	24.25	A
ATOM	864	CA	VAL	113	12.605	4.900	7.934	1.00	23.10	A
ATOM	865	CB	VAL	113	14.001	4.498	7.406	1.00	22.03	A
ATOM	866	CG1	VAL	113	15.081	5.222	8.186	1.00	22.29	A
ATOM	867	CG2	VAL	113	14.191	3.005	7.520	1.00	24.34	A
ATOM	868	C	VAL	113	12.518	6.427	7.925	1.00	23.40	A
ATOM	869	O	VAL	113	12.947	7.087	8.870	1.00	22.99	A
ATOM	870	N	ARG	114	11.974	6.979	6.847	1.00	22.64	A
ATOM	871	CA	ARG	114	11.837	8.419	6.713	1.00	22.37	A
ATOM	872	CB	ARG	114	11.542	8.775	5.254	1.00	23.57	A
ATOM	873	CG	ARG	114	11.016	10.186	5.039	1.00	27.30	A
ATOM	874	CD	ARG	114	10.102	10.278	3.820	1.00	29.55	A
ATOM	875	NE	ARG	114	10.753	9.820	2.591	1.00	33.90	A
ATOM	876	CZ	ARG	114	11.789	10.422	2.013	1.00	34.91	A
ATOM	877	NH1	ARG	114	12.301	9.921	0.899	1.00	36.16	A
ATOM	878	NH2	ARG	114	12.315	11.521	2.544	1.00	36.20	A
ATOM	879	C	ARG	114	10.691	8.866	7.608	1.00	23.14	A
ATOM	880	O	ARG	114	10.751	9.916	8.256	1.00	23.93	A
ATOM	881	N	ALA	115	9.643	8.049	7.646	1.00	23.63	A
ATOM	882	CA	ALA	115	8.474	8.344	8.455	1.00	21.89	A
ATOM	883	CB	ALA	115	7.435	7.261	8.298	1.00	22.10	A
ATOM	884	C	ALA	115	8.938	8.404	9.886	1.00	21.76	A
ATOM	885	O	ALA	115	8.389	9.155	10.696	1.00	23.28	A
ATOM	886	N	LEU	116	9.959	7.611	10.191	1.00	17.69	A
ATOM	887	CA	LEU	116	10.509	7.578	11.535	1.00	16.56	A
ATOM	888	CB	LEU	116	11.413	6.356	11.709	1.00	14.55	A
ATOM	889	CG	LEU	116	12.226	6.296	13.006	1.00	15.09	A
ATOM	890	CD1	LEU	116	11.296	5.995	14.177	1.00	16.14	A
ATOM	891	CD2	LEU	116	13.310	5.231	12.890	1.00	13.40	A
ATOM	892	C	LEU	116	11.308	8.844	11.799	1.00	16.31	A
ATOM	893	O	LEU	116	11.265	9.404	12.892	1.00	15.63	A
ATOM	894	N	ASN	117	12.028	9.293	10.780	1.00	17.08	A
ATOM	895	CA	ASN	117	12.851	10.478	10.897	1.00	18.71	A
ATOM	896	CB	ASN	117	13.861	10.502	9.753	1.00	19.97	A
ATOM	897	CG	ASN	117	15.068	9.633	10.046	1.00	23.42	A
ATOM	898	OD1	ASN	117	15.659	9.733	11.119	1.00	21.30	A
ATOM	899	ND2	ASN	117	15.442	8.774	9.095	1.00	26.04	A
ATOM	900	C	ASN	117	12.040	11.768	10.966	1.00	18.06	A
ATOM	901	O	ASN	117	12.436	12.705	11.660	1.00	17.18	A
ATOM	902	N	GLU	118	10.900	11.819	10.283	1.00	19.49	A
ATOM	903	CA	GLU	118	10.060	13.019	10.334	1.00	20.98	A
ATOM	904	CB	GLU	118	8.947	12.941	9.281	1.00	24.57	A
ATOM	905	CG	GLU	118	9.444	12.505	7.897	1.00	30.89	A
ATOM	906	CD	GLU	118	8.757	13.231	6.753	1.00	35.03	A
ATOM	907	OE1	GLU	118	9.457	13.672	5.808	1.00	37.93	A

Fig. 2A-15

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ATOM	908	OE2	GLU	118	7.515	13.359	6.798	1.00	38.18	A
ATOM	909	C	GLU	118	9.457	13.174	11.741	1.00	19.53	A
ATOM	910	O	GLU	118	9.253	14.289	12.226	1.00	19.89	A
ATOM	911	N	PHE	119	9.179	12.052	12.397	1.00	16.90	A
ATOM	912	CA	PHE	119	8.616	12.072	13.740	1.00	14.30	A
ATOM	913	CB	PHE	119	8.141	10.680	14.123	1.00	13.75	A
ATOM	914	CG	PHE	119	7.379	10.647	15.399	1.00	12.63	A
ATOM	915	CD1	PHE	119	5.987	10.669	15.392	1.00	13.78	A
ATOM	916	CD2	PHE	119	8.046	10.597	16.619	1.00	11.27	A
ATOM	917	CE1	PHE	119	5.271	10.648	16.594	1.00	11.57	A
ATOM	918	CE2	PHE	119	7.345	10.575	17.822	1.00	9.33	A
ATOM	919	CZ	PHE	119	5.957	10.599	17.809	1.00	11.88	A
ATOM	920	C	PHE	119	9.655	12.556	14.754	1.00	12.85	A
ATOM	921	O	PHE	119	9.328	13.276	15.692	1.00	12.34	A
ATOM	922	N	ALA	120	10.906	12.147	14.567	1.00	12.61	A
ATOM	923	CA	ALA	120	12.008	12.554	15.442	1.00	12.28	A
ATOM	924	CB	ALA	120	13.182	11.624	15.248	1.00	8.68	A
ATOM	925	C	ALA	120	12.457	13.992	15.155	1.00	14.06	A
ATOM	926	O	ALA	120	13.087	14.631	15.993	1.00	13.64	A
ATOM	927	N	ILE	121	12.130	14.487	13.961	1.00	15.83	A
ATOM	928	CA	ILE	121	12.510	15.829	13.514	1.00	16.62	A
ATOM	929	CB	ILE	121	12.720	15.820	11.954	1.00	14.14	A
ATOM	930	CG2	ILE	121	12.529	17.186	11.357	1.00	14.79	A
ATOM	931	CG1	ILE	121	14.126	15.341	11.628	1.00	13.16	A
ATOM	932	CD1	ILE	121	15.080	15.491	12.777	1.00	13.15	A
ATOM	933	C	ILE	121	11.499	16.916	13.907	1.00	17.84	A
ATOM	934	O	ILE	121	11.887	18.014	14.333	1.00	18.70	A
ATOM	935	N	ASN	122	10.213	16.603	13.767	1.00	18.22	A
ATOM	936	CA	ASN	122	9.144	17.537	14.079	1.00	20.53	A
ATOM	937	CB	ASN	122	9.164	17.927	15.562	1.00	19.72	A
ATOM	938	CG	ASN	122	7.954	18.761	15.967	1.00	18.32	A
ATOM	939	OD1	ASN	122	6.902	18.700	15.333	1.00	15.61	A
ATOM	940	ND2	ASN	122	8.109	19.550	17.025	1.00	17.45	A
ATOM	941	C	ASN	122	9.280	18.784	13.205	1.00	23.78	A
ATOM	942	O	ASN	122	9.154	19.919	13.684	1.00	26.55	A
ATOM	943	N	GLY	123	9.553	18.564	11.920	1.00	25.65	A
ATOM	944	CA	GLY	123	9.670	19.663	10.969	1.00	25.27	A
ATOM	945	C	GLY	123	10.977	20.428	10.860	1.00	24.57	A
ATOM	946	O	GLY	123	11.023	21.487	10.243	1.00	24.04	A
ATOM	947	N	LEU	124	12.043	19.914	11.450	1.00	24.25	A
ATOM	948	CA	LEU	124	13.309	20.607	11.368	1.00	25.19	A
ATOM	949	CB	LEU	124	13.963	20.703	12.738	1.00	23.50	A
ATOM	950	CG	LEU	124	15.246	21.532	12.711	1.00	22.78	A
ATOM	951	CD1	LEU	124	15.001	22.839	11.979	1.00	23.39	A
ATOM	952	CD2	LEU	124	15.701	21.784	14.129	1.00	24.20	A
ATOM	953	C	LEU	124	14.262	19.924	10.404	1.00	26.33	A
ATOM	954	O	LEU	124	14.865	18.900	10.729	1.00	29.25	A
ATOM	955	N	TYR	125	14.383	20.481	9.206	1.00	24.82	A
ATOM	956	CA	TYR	125	15.283	19.923	8.212	1.00	26.15	A
ATOM	957	CB	TYR	125	14.594	19.748	6.861	1.00	28.22	A
ATOM	958	CG	TYR	125	13.328	18.946	6.938	1.00	33.57	A
ATOM	959	CD1	TYR	125	13.350	17.555	6.834	1.00	33.93	A
ATOM	960	CE1	TYR	125	12.184	16.816	6.941	1.00	35.41	A
ATOM	961	CD2	TYR	125	12.102	19.579	7.148	1.00	36.24	A
ATOM	962	CE2	TYR	125	10.933	18.850	7.257	1.00	36.63	A
ATOM	963	CZ	TYR	125	10.981	17.472	7.153	1.00	37.06	A
ATOM	964	OH	TYR	125	9.813	16.759	7.270	1.00	42.14	A

**Fig. 2A-16**

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ATOM	965	C	TYR	125	16.425	20.890	8.056	1.00	23.55	A
ATOM	966	O	TYR	125	16.323	22.049	8.442	1.00	25.49	A
ATOM	967	N	PRO	126	17.544	20.417	7.499	1.00	20.61	A
ATOM	968	CD	PRO	126	17.836	19.054	7.028	1.00	18.09	A
ATOM	969	CA	PRO	126	18.679	21.321	7.319	1.00	17.72	A
ATOM	970	CB	PRO	126	19.759	20.419	6.715	1.00	18.63	A
ATOM	971	CG	PRO	126	19.327	19.012	7.070	1.00	18.55	A
ATOM	972	C	PRO	126	18.293	22.473	6.388	1.00	16.44	A
ATOM	973	O	PRO	126	17.321	22.385	5.643	1.00	16.25	A
ATOM	974	N	ASP	127	19.040	23.565	6.453	1.00	15.85	A
ATOM	975	CA	ASP	127	18.776	24.695	5.583	1.00	16.90	A
ATOM	976	CB	ASP	127	19.154	26.002	6.279	1.00	18.60	A
ATOM	977	CG	ASP	127	17.970	26.642	6.984	1.00	21.07	A
ATOM	978	OD1	ASP	127	16.959	26.964	6.306	1.00	22.71	A
ATOM	979	OD2	ASP	127	18.047	26.820	8.219	1.00	18.29	A
ATOM	980	C	ASP	127	19.613	24.491	4.324	1.00	18.15	A
ATOM	981	O	ASP	127	19.393	25.151	3.310	1.00	19.18	A
ATOM	982	N	LEU	128	20.567	23.557	4.413	1.00	18.37	A
ATOM	983	CA	LEU	128	21.469	23.185	3.318	1.00	16.53	A
ATOM	984	CB	LEU	128	22.523	24.286	3.079	1.00	15.81	A
ATOM	985	CG	LEU	128	23.762	23.924	2.236	1.00	14.34	A
ATOM	986	CD1	LEU	128	23.384	23.972	0.764	1.00	16.21	A
ATOM	987	CD2	LEU	128	24.919	24.858	2.515	1.00	8.51	A
ATOM	988	C	LEU	128	22.174	21.884	3.707	1.00	16.96	A
ATOM	989	O	LEU	128	22.682	21.771	4.818	1.00	17.05	A
ATOM	990	N	THR	129	22.200	20.905	2.800	1.00	18.70	A
ATOM	991	CA	THR	129	22.861	19.614	3.062	1.00	19.58	A
ATOM	992	CB	THR	129	21.870	18.429	2.981	1.00	19.13	A
ATOM	993	OG1	THR	129	21.084	18.375	4.178	1.00	21.93	A
ATOM	994	CG2	THR	129	22.623	17.116	2.826	1.00	18.43	A
ATOM	995	C	THR	129	23.955	19.381	2.026	1.00	18.88	A
ATOM	996	O	THR	129	23.665	19.248	0.837	1.00	19.90	A
ATOM	997	N	ILE	130	25.204	19.317	2.472	1.00	17.60	A
ATOM	998	CA	ILE	130	26.334	19.119	1.561	1.00	16.04	A
ATOM	999	CB	ILE	130	27.640	19.749	2.148	1.00	16.79	A
ATOM	1000	CG2	ILE	130	28.863	19.240	1.382	1.00	17.88	A
ATOM	1001	CG1	ILE	130	27.563	21.283	2.111	1.00	17.22	A
ATOM	1002	CD1	ILE	130	27.946	21.898	0.759	1.00	15.20	A
ATOM	1003	C	ILE	130	26.591	17.638	1.289	1.00	14.63	A
ATOM	1004	O	ILE	130	27.029	16.916	2.169	1.00	13.93	A
ATOM	1005	N	TYR	131	26.327	17.187	0.072	1.00	13.78	A
ATOM	1006	CA	TYR	131	26.568	15.796	-0.261	1.00	14.00	A
ATOM	1007	CB	TYR	131	25.462	15.258	-1.156	1.00	16.22	A
ATOM	1008	CG	TYR	131	25.706	13.816	-1.517	1.00	18.24	A
ATOM	1009	CD1	TYR	131	25.470	12.811	-0.592	1.00	19.69	A
ATOM	1010	CE1	TYR	131	25.728	11.480	-0.893	1.00	20.72	A
ATOM	1011	CD2	TYR	131	26.210	13.457	-2.770	1.00	20.82	A
ATOM	1012	CE2	TYR	131	26.471	12.123	-3.083	1.00	20.33	A
ATOM	1013	CZ	TYR	131	26.226	11.141	-2.133	1.00	20.01	A
ATOM	1014	OH	TYR	131	26.484	9.821	-2.407	1.00	22.90	A
ATOM	1015	C	TYR	131	27.919	15.559	-0.948	1.00	13.59	A
ATOM	1016	O	TYR	131	28.117	15.869	-2.124	1.00	13.47	A
ATOM	1017	N	LEU	132	28.851	15.005	-0.198	1.00	12.69	A
ATOM	1018	CA	LEU	132	30.158	14.712	-0.736	1.00	14.00	A
ATOM	1019	CB	LEU	132	31.146	14.463	0.405	1.00	10.84	A
ATOM	1020	CG	LEU	132	31.323	15.688	1.306	1.00	11.12	A
ATOM	1021	CD1	LEU	132	32.263	15.370	2.455	1.00	15.11	A

Fig. 2A-17

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ATOM	1022	CD2	LEU	132	31.883	16.845	0.487	1.00	10.94	A
ATOM	1023	C	LEU	132	30.033	13.489	-1.638	1.00	16.10	A
ATOM	1024	O	LEU	132	30.097	12.337	-1.186	1.00	15.70	A
ATOM	1025	N	ASN	133	29.823	13.766	-2.920	1.00	16.64	A
ATOM	1026	CA	ASN	133	29.679	12.745	-3.955	1.00	16.26	A
ATOM	1027	CB	ASN	133	29.146	13.401	-5.222	1.00	15.66	A
ATOM	1028	CG	ASN	133	28.209	12.515	-5.977	1.00	15.86	A
ATOM	1029	OD1	ASN	133	28.399	11.303	-6.033	1.00	19.55	A
ATOM	1030	ND2	ASN	133	27.178	13.105	-6.562	1.00	18.53	A
ATOM	1031	C	ASN	133	30.986	12.006	-4.289	1.00	16.44	A
ATOM	1032	O	ASN	133	31.804	12.495	-5.070	1.00	16.93	A
ATOM	1033	N	VAL	134	31.174	10.822	-3.711	1.00	14.84	A
ATOM	1034	CA	VAL	134	32.376	10.026	-3.959	1.00	15.03	A
ATOM	1035	CB	VAL	134	33.093	9.689	-2.642	1.00	13.84	A
ATOM	1036	CG1	VAL	134	32.673	8.311	-2.147	1.00	15.51	A
ATOM	1037	CG2	VAL	134	34.591	9.738	-2.850	1.00	12.76	A
ATOM	1038	C	VAL	134	32.027	8.723	-4.679	1.00	16.69	A
ATOM	1039	O	VAL	134	31.000	8.111	-4.386	1.00	17.63	A
ATOM	1040	N	SER	135	32.868	8.290	-5.618	1.00	15.07	A
ATOM	1041	CA	SER	135	32.584	7.059	-6.348	1.00	15.37	A
ATOM	1042	CB	SER	135	33.284	7.051	-7.711	1.00	15.13	A
ATOM	1043	OG	SER	135	34.680	6.860	-7.562	1.00	19.69	A
ATOM	1044	C	SER	135	33.069	5.894	-5.530	1.00	15.42	A
ATOM	1045	O	SER	135	34.021	6.034	-4.761	1.00	16.48	A
ATOM	1046	N	ALA	136	32.422	4.745	-5.703	1.00	15.08	A
ATOM	1047	CA	ALA	136	32.785	3.539	-4.973	1.00	15.69	A
ATOM	1048	CB	ALA	136	32.012	2.351	-5.517	1.00	13.23	A
ATOM	1049	C	ALA	136	34.282	3.232	-4.982	1.00	16.27	A
ATOM	1050	O	ALA	136	34.835	2.849	-3.940	1.00	17.62	A
ATOM	1051	N	GLU	137	34.936	3.417	-6.136	1.00	16.13	A
ATOM	1052	CA	GLU	137	36.373	3.128	-6.295	1.00	16.92	A
ATOM	1053	CB	GLU	137	36.769	3.211	-7.761	1.00	19.08	A
ATOM	1054	CG	GLU	137	36.099	2.193	-8.627	1.00	21.24	A
ATOM	1055	CD	GLU	137	34.697	2.606	-9.026	1.00	26.03	A
ATOM	1056	OE1	GLU	137	34.254	3.703	-8.607	1.00	26.26	A
ATOM	1057	OE2	GLU	137	34.050	1.830	-9.762	1.00	24.36	A
ATOM	1058	C	GLU	137	37.329	4.010	-5.519	1.00	17.18	A
ATOM	1059	O	GLU	137	38.293	3.529	-4.914	1.00	18.42	A
ATOM	1060	N	VAL	138	37.102	5.315	-5.592	1.00	16.65	A
ATOM	1061	CA	VAL	138	37.930	6.286	-4.880	1.00	13.99	A
ATOM	1062	CB	VAL	138	37.571	7.729	-5.317	1.00	12.36	A
ATOM	1063	CG1	VAL	138	38.315	8.722	-4.480	1.00	7.64	A
ATOM	1064	CG2	VAL	138	37.876	7.909	-6.812	1.00	11.17	A
ATOM	1065	C	VAL	138	37.650	6.107	-3.388	1.00	12.75	A
ATOM	1066	O	VAL	138	38.566	6.069	-2.577	1.00	12.84	A
ATOM	1067	N	GLY	139	36.372	5.979	-3.040	1.00	12.35	A
ATOM	1068	CA	GLY	139	35.998	5.790	-1.650	1.00	13.46	A
ATOM	1069	C	GLY	139	36.696	4.593	-1.031	1.00	12.84	A
ATOM	1070	O	GLY	139	37.247	4.681	0.071	1.00	11.91	A
ATOM	1071	N	ARG	140	36.675	3.469	-1.743	1.00	14.34	A
ATOM	1072	CA	ARG	140	37.314	2.239	-1.268	1.00	15.31	A
ATOM	1073	CB	ARG	140	37.279	1.164	-2.357	1.00	14.32	A
ATOM	1074	CG	ARG	140	38.142	-0.052	-2.045	1.00	13.59	A
ATOM	1075	CD	ARG	140	38.881	-0.509	-3.270	1.00	15.36	A
ATOM	1076	NE	ARG	140	38.006	-0.522	-4.439	1.00	16.56	A
ATOM	1077	CZ	ARG	140	38.406	-0.294	-5.685	1.00	14.11	A
ATOM	1078	NH1	ARG	140	39.684	-0.029	-5.942	1.00	10.53	A

Fig. 2A-18



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ATOM	1079	NH2	ARG	140	37.520	-0.316	-6.676	1.00	10.78	A
ATOM	1080	C	ARG	140	38.762	2.472	-0.878	1.00	17.87	A
ATOM	1081	O	ARG	140	39.179	2.155	0.239	1.00	18.73	A
ATOM	1082	N	GLU	141	39.520	3.020	-1.831	1.00	18.85	A
ATOM	1083	CA	GLU	141	40.926	3.318	-1.651	1.00	19.21	A
ATOM	1084	CB	GLU	141	41.460	4.071	-2.871	1.00	19.92	A
ATOM	1085	CG	GLU	141	41.464	3.264	-4.159	1.00	20.18	A
ATOM	1086	CD	GLU	141	41.996	1.850	-3.965	1.00	23.75	A
ATOM	1087	OE1	GLU	141	41.344	0.894	-4.450	1.00	25.20	A
ATOM	1088	OE2	GLU	141	43.063	1.678	-3.332	1.00	23.49	A
ATOM	1089	C	GLU	141	41.169	4.131	-0.389	1.00	22.21	A
ATOM	1090	O	GLU	141	42.163	3.915	0.311	1.00	24.64	A
ATOM	1091	N	ARG	142	40.258	5.057	-0.084	1.00	22.42	A
ATOM	1092	CA	ARG	142	40.401	5.890	1.114	1.00	21.25	A
ATOM	1093	CB	ARG	142	39.525	7.137	1.013	1.00	20.34	A
ATOM	1094	CG	ARG	142	39.897	8.047	-0.125	1.00	20.08	A
ATOM	1095	CD	ARG	142	39.623	9.493	0.226	1.00	20.93	A
ATOM	1096	NE	ARG	142	38.366	9.932	-0.355	1.00	20.53	A
ATOM	1097	CZ	ARG	142	38.253	10.835	-1.319	1.00	17.90	A
ATOM	1098	NH1	ARG	142	39.328	11.417	-1.827	1.00	14.20	A
ATOM	1099	NH2	ARG	142	37.054	11.120	-1.797	1.00	18.04	A
ATOM	1100	C	ARG	142	40.039	5.141	2.389	1.00	21.11	A
ATOM	1101	O	ARG	142	40.697	5.301	3.410	1.00	19.58	A
ATOM	1102	N	ILE	143	38.988	4.332	2.333	1.00	22.51	A
ATOM	1103	CA	ILE	143	38.568	3.568	3.503	1.00	23.25	A
ATOM	1104	CB	ILE	143	37.411	2.621	3.155	1.00	23.18	A
ATOM	1105	CG2	ILE	143	37.358	1.480	4.142	1.00	22.70	A
ATOM	1106	CG1	ILE	143	36.091	3.389	3.120	1.00	22.29	A
ATOM	1107	CD1	ILE	143	35.062	2.778	2.182	1.00	18.17	A
ATOM	1108	C	ILE	143	39.756	2.736	3.959	1.00	24.57	A
ATOM	1109	O	ILE	143	39.989	2.561	5.152	1.00	25.38	A
ATOM	1110	N	ILE	144	40.510	2.235	2.984	1.00	26.98	A
ATOM	1111	CA	ILE	144	41.686	1.408	3.243	1.00	27.37	A
ATOM	1112	CB	ILE	144	42.203	0.782	1.921	1.00	27.49	A
ATOM	1113	CG2	ILE	144	43.384	-0.149	2.198	1.00	28.27	A
ATOM	1114	CG1	ILE	144	41.062	0.016	1.238	1.00	27.56	A
ATOM	1115	CD1	ILE	144	41.371	-0.449	-0.183	1.00	25.30	A
ATOM	1116	C	ILE	144	42.823	2.180	3.919	1.00	27.68	A
ATOM	1117	O	ILE	144	43.629	2.836	3.254	1.00	29.54	A
ATOM	1118	N	ASP	154	39.699	-4.314	1.391	1.00	51.55	A
ATOM	1119	CA	ASP	154	38.523	-5.036	1.863	1.00	51.78	A
ATOM	1120	CB	ASP	154	37.385	-4.059	2.230	1.00	51.96	A
ATOM	1121	CG	ASP	154	37.754	-2.589	2.016	1.00	51.95	A
ATOM	1122	OD1	ASP	154	38.798	-2.137	2.546	1.00	51.92	A
ATOM	1123	OD2	ASP	154	36.988	-1.874	1.330	1.00	50.45	A
ATOM	1124	C	ASP	154	38.000	-6.033	0.832	1.00	51.96	A
ATOM	1125	O	ASP	154	38.590	-6.199	-0.236	1.00	53.09	A
ATOM	1126	N	GLN	155	36.892	-6.699	1.159	1.00	50.76	A
ATOM	1127	CA	GLN	155	36.277	-7.663	0.251	1.00	51.32	A
ATOM	1128	CB	GLN	155	36.743	-9.086	0.590	1.00	52.85	A
ATOM	1129	CG	GLN	155	38.116	-9.461	0.005	1.00	56.38	A
ATOM	1130	CD	GLN	155	38.077	-9.789	-1.486	1.00	59.01	A
ATOM	1131	OE1	GLN	155	39.120	-9.959	-2.131	1.00	61.97	A
ATOM	1132	NE2	GLN	155	36.876	-9.882	-2.037	1.00	59.84	A
ATOM	1133	C	GLN	155	34.742	-7.555	0.297	1.00	50.34	A
ATOM	1134	O	GLN	155	34.211	-6.458	0.416	1.00	50.66	A
ATOM	1135	N	GLU	156	34.034	-8.680	0.207	1.00	48.71	A

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ATOM	1136	CA	GLU	156	32.563	-8.684	0.211	1.00	47.47	A
ATOM	1137	CB	GLU	156	32.044	-10.108	0.439	1.00	49.49	A
ATOM	1138	CG	GLU	156	32.365	-11.046	-0.713	1.00	52.78	A
ATOM	1139	CD	GLU	156	33.512	-10.522	-1.559	1.00	55.94	A
ATOM	1140	OE1	GLU	156	34.667	-10.931	-1.304	1.00	58.46	A
ATOM	1141	OE2	GLU	156	33.263	-9.692	-2.463	1.00	56.30	A
ATOM	1142	C	GLU	156	31.909	-7.718	1.199	1.00	45.09	A
ATOM	1143	O	GLU	156	30.730	-7.405	1.088	1.00	44.40	A
ATOM	1144	N	ASP	157	32.686	-7.244	2.162	1.00	45.02	A
ATOM	1145	CA	ASP	157	32.207	-6.290	3.165	1.00	42.71	A
ATOM	1146	CB	ASP	157	33.136	-6.309	4.400	1.00	44.86	A
ATOM	1147	CG	ASP	157	33.787	-7.687	4.647	1.00	45.91	A
ATOM	1148	OD1	ASP	157	34.620	-8.129	3.823	1.00	46.98	A
ATOM	1149	OD2	ASP	157	33.471	-8.325	5.678	1.00	46.41	A
ATOM	1150	C	ASP	157	32.242	-4.893	2.522	1.00	39.90	A
ATOM	1151	O	ASP	157	32.183	-3.868	3.201	1.00	39.56	A
ATOM	1152	N	LEU	158	32.326	-4.890	1.197	1.00	35.08	A
ATOM	1153	CA	LEU	158	32.441	-3.682	0.400	1.00	30.57	A
ATOM	1154	CB	LEU	158	33.700	-3.824	-0.445	1.00	32.56	A
ATOM	1155	CG	LEU	158	34.154	-2.869	-1.537	1.00	34.63	A
ATOM	1156	CD1	LEU	158	35.668	-2.744	-1.452	1.00	32.54	A
ATOM	1157	CD2	LEU	158	33.752	-3.402	-2.905	1.00	38.08	A
ATOM	1158	C	LEU	158	31.224	-3.461	-0.486	1.00	29.36	A
ATOM	1159	O	LEU	158	31.121	-2.456	-1.198	1.00	28.33	A
ATOM	1160	N	LYS	159	30.302	-4.413	-0.448	1.00	26.45	A
ATOM	1161	CA	LYS	159	29.086	-4.310	-1.231	1.00	23.70	A
ATOM	1162	CB	LYS	159	28.536	-5.707	-1.516	1.00	26.09	A
ATOM	1163	CG	LYS	159	27.530	-5.745	-2.644	1.00	27.62	A
ATOM	1164	CD	LYS	159	26.163	-6.044	-2.096	1.00	30.02	A
ATOM	1165	CE	LYS	159	25.084	-5.718	-3.101	1.00	33.24	A
ATOM	1166	NZ	LYS	159	23.747	-5.670	-2.434	1.00	35.50	A
ATOM	1167	C	LYS	159	28.066	-3.462	-0.467	1.00	21.27	A
ATOM	1168	O	LYS	159	27.104	-2.966	-1.045	1.00	16.96	A
ATOM	1169	N	PHE	160	28.282	-3.304	0.837	1.00	20.82	A
ATOM	1170	CA	PHE	160	27.406	-2.480	1.664	1.00	21.15	A
ATOM	1171	CB	PHE	160	27.769	-2.642	3.145	1.00	18.20	A
ATOM	1172	CG	PHE	160	26.905	-1.833	4.091	1.00	18.88	A
ATOM	1173	CD1	PHE	160	25.561	-2.147	4.284	1.00	17.68	A
ATOM	1174	CD2	PHE	160	27.453	-0.780	4.827	1.00	19.06	A
ATOM	1175	CE1	PHE	160	24.774	-1.427	5.208	1.00	18.90	A
ATOM	1176	CE2	PHE	160	26.678	-0.053	5.750	1.00	19.17	A
ATOM	1177	CZ	PHE	160	25.332	-0.379	5.937	1.00	17.69	A
ATOM	1178	C	PHE	160	27.611	-1.025	1.225	1.00	22.85	A
ATOM	1179	O	PHE	160	26.653	-0.322	0.888	1.00	23.35	A
ATOM	1180	N	HIS	161	28.874	-0.595	1.204	1.00	24.22	A
ATOM	1181	CA	HIS	161	29.243	0.766	0.802	1.00	25.47	A
ATOM	1182	CB	HIS	161	30.759	0.928	0.787	1.00	27.63	A
ATOM	1183	CG	HIS	161	31.419	0.384	2.000	1.00	32.09	A
ATOM	1184	CD2	HIS	161	30.933	-0.316	3.049	1.00	34.82	A
ATOM	1185	ND1	HIS	161	32.776	0.550	2.256	1.00	34.79	A
ATOM	1186	CE1	HIS	161	33.071	-0.023	3.396	1.00	36.30	A
ATOM	1187	NE2	HIS	161	31.982	-0.559	3.908	1.00	36.79	A
ATOM	1188	C	HIS	161	28.700	1.125	-0.564	1.00	24.44	A
ATOM	1189	O	HIS	161	28.241	2.240	-0.773	1.00	25.74	A
ATOM	1190	N	GLU	162	28.756	0.192	-1.504	1.00	22.83	A
ATOM	1191	CA	GLU	162	28.241	0.474	-2.830	1.00	22.65	A
ATOM	1192	CB	GLU	162	28.703	-0.600	-3.818	1.00	23.31	A

**Fig. 2A-20**

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ATOM	1193	CG	GLU	162	27.748	-1.770	-3.975	1.00	28.61	A
ATOM	1194	CD	GLU	162	28.170	-2.730	-5.082	1.00	30.31	A
ATOM	1195	OE1	GLU	162	27.343	-3.049	-5.969	1.00	26.26	A
ATOM	1196	OE2	GLU	162	29.341	-3.163	-5.062	1.00	33.07	A
ATOM	1197	C	GLU	162	26.718	0.545	-2.769	1.00	22.17	A
ATOM	1198	O	GLU	162	26.085	1.159	-3.624	1.00	22.37	A
ATOM	1199	N	LYS	163	26.137	-0.076	-1.744	1.00	21.89	A
ATOM	1200	CA	LYS	163	24.684	-0.089	-1.549	1.00	21.28	A
ATOM	1201	CB	LYS	163	24.277	-1.234	-0.624	1.00	24.16	A
ATOM	1202	CG	LYS	163	22.849	-1.705	-0.818	1.00	27.09	A
ATOM	1203	CD	LYS	163	22.742	-3.203	-0.585	1.00	28.27	A
ATOM	1204	CE	LYS	163	21.319	-3.703	-0.793	1.00	31.58	A
ATOM	1205	NZ	LYS	163	20.331	-2.614	-1.060	1.00	32.32	A
ATOM	1206	C	LYS	163	24.231	1.218	-0.923	1.00	21.34	A
ATOM	1207	O	LYS	163	23.147	1.739	-1.216	1.00	16.85	A
ATOM	1208	N	VAL	164	25.080	1.721	-0.032	1.00	21.65	A
ATOM	1209	CA	VAL	164	24.835	2.973	0.661	1.00	20.57	A
ATOM	1210	CB	VAL	164	25.982	3.301	1.637	1.00	20.82	A
ATOM	1211	CG1	VAL	164	25.949	4.796	1.986	1.00	20.62	A
ATOM	1212	CG2	VAL	164	25.892	2.418	2.879	1.00	14.98	A
ATOM	1213	C	VAL	164	24.797	4.075	-0.386	1.00	20.01	A
ATOM	1214	O	VAL	164	23.862	4.880	-0.432	1.00	18.78	A
ATOM	1215	N	ILE	165	25.845	4.105	-1.206	1.00	20.78	A
ATOM	1216	CA	ILE	165	25.985	5.092	-2.261	1.00	20.28	A
ATOM	1217	CB	ILE	165	27.198	4.782	-3.149	1.00	19.12	A
ATOM	1218	CG2	ILE	165	27.160	5.633	-4.397	1.00	21.64	A
ATOM	1219	CG1	ILE	165	28.487	5.086	-2.389	1.00	17.77	A
ATOM	1220	CD1	ILE	165	29.739	4.834	-3.191	1.00	17.87	A
ATOM	1221	C	ILE	165	24.716	5.118	-3.099	1.00	22.78	A
ATOM	1222	O	ILE	165	24.224	6.188	-3.459	1.00	23.05	A
ATOM	1223	N	GLU	166	24.176	3.937	-3.387	1.00	24.97	A
ATOM	1224	CA	GLU	166	22.939	3.827	-4.159	1.00	27.18	A
ATOM	1225	CB	GLU	166	22.584	2.356	-4.376	1.00	31.42	A
ATOM	1226	CG	GLU	166	23.712	1.483	-4.893	1.00	37.18	A
ATOM	1227	CD	GLU	166	23.230	0.093	-5.321	1.00	41.68	A
ATOM	1228	OE1	GLU	166	24.027	-0.659	-5.932	1.00	41.28	A
ATOM	1229	OE2	GLU	166	22.053	-0.250	-5.044	1.00	42.53	A
ATOM	1230	C	GLU	166	21.750	4.521	-3.466	1.00	27.12	A
ATOM	1231	O	GLU	166	20.922	5.151	-4.125	1.00	26.40	A
ATOM	1232	N	GLY	167	21.657	4.383	-2.144	1.00	26.20	A
ATOM	1233	CA	GLY	167	20.567	5.013	-1.409	1.00	23.21	A
ATOM	1234	C	GLY	167	20.675	6.524	-1.384	1.00	20.91	A
ATOM	1235	O	GLY	167	19.678	7.245	-1.429	1.00	19.44	A
ATOM	1236	N	TYR	168	21.910	6.995	-1.315	1.00	21.26	A
ATOM	1237	CA	TYR	168	22.206	8.415	-1.302	1.00	21.88	A
ATOM	1238	CB	TYR	168	23.694	8.594	-1.044	1.00	19.28	A
ATOM	1239	CG	TYR	168	24.031	8.806	0.404	1.00	16.54	A
ATOM	1240	CD1	TYR	168	25.071	8.109	1.008	1.00	17.79	A
ATOM	1241	CE1	TYR	168	25.424	8.352	2.332	1.00	20.01	A
ATOM	1242	CD2	TYR	168	23.345	9.748	1.160	1.00	19.07	A
ATOM	1243	CE2	TYR	168	23.683	10.004	2.489	1.00	18.60	A
ATOM	1244	CZ	TYR	168	24.725	9.305	3.072	1.00	20.26	A
ATOM	1245	OH	TYR	168	25.067	9.563	4.382	1.00	21.55	A
ATOM	1246	C	TYR	168	21.810	9.070	-2.632	1.00	23.66	A
ATOM	1247	O	TYR	168	21.275	10.179	-2.650	1.00	26.01	A
ATOM	1248	N	GLN	169	22.078	8.380	-3.741	1.00	25.06	A
ATOM	1249	CA	GLN	169	21.740	8.884	-5.070	1.00	25.35	A

Fig. 2A-21

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ATOM	1250	CB	GLN	169	22.184	7.905	-6.155	1.00	26.00	A
ATOM	1251	CG	GLN	169	23.626	7.463	-6.053	1.00	29.17	A
ATOM	1252	CD	GLN	169	24.615	8.593	-6.299	1.00	29.94	A
ATOM	1253	OE1	GLN	169	25.820	8.429	-6.095	1.00	29.50	A
ATOM	1254	NE2	GLN	169	24.108	9.749	-6.737	1.00	28.14	A
ATOM	1255	C	GLN	169	20.239	9.066	-5.187	1.00	26.60	A
ATOM	1256	O	GLN	169	19.767	10.051	-5.738	1.00	27.89	A
ATOM	1257	N	GLU	170	19.494	8.098	-4.671	1.00	26.92	A
ATOM	1258	CA	GLU	170	18.040	8.143	-4.714	1.00	28.01	A
ATOM	1259	CB	GLU	170	17.468	6.844	-4.171	1.00	29.99	A
ATOM	1260	CG	GLU	170	16.121	6.500	-4.744	1.00	35.53	A
ATOM	1261	CD	GLU	170	16.204	5.361	-5.728	1.00	39.43	A
ATOM	1262	OE1	GLU	170	15.566	4.317	-5.483	1.00	42.68	A
ATOM	1263	OE2	GLU	170	16.912	5.506	-6.748	1.00	42.38	A
ATOM	1264	C	GLU	170	17.501	9.302	-3.892	1.00	27.62	A
ATOM	1265	O	GLU	170	16.591	10.012	-4.319	1.00	26.01	A
ATOM	1266	N	ILE	171	18.075	9.476	-2.703	1.00	28.74	A
ATOM	1267	CA	ILE	171	17.682	10.536	-1.780	1.00	27.14	A
ATOM	1268	CB	ILE	171	18.521	10.483	-0.499	1.00	26.26	A
ATOM	1269	CG2	ILE	171	18.247	11.703	0.342	1.00	26.85	A
ATOM	1270	CG1	ILE	171	18.202	9.215	0.287	1.00	25.90	A
ATOM	1271	CD1	ILE	171	19.322	8.780	1.191	1.00	25.67	A
ATOM	1272	C	ILE	171	17.879	11.906	-2.410	1.00	28.17	A
ATOM	1273	O	ILE	171	16.912	12.641	-2.637	1.00	28.24	A
ATOM	1274	N	ILE	172	19.139	12.244	-2.680	1.00	27.45	A
ATOM	1275	CA	ILE	172	19.495	13.520	-3.291	1.00	25.70	A
ATOM	1276	CB	ILE	172	21.019	13.624	-3.504	1.00	26.14	A
ATOM	1277	CG2	ILE	172	21.749	13.012	-2.326	1.00	24.71	A
ATOM	1278	CG1	ILE	172	21.415	12.889	-4.790	1.00	29.17	A
ATOM	1279	CD1	ILE	172	22.906	12.768	-5.016	1.00	28.48	A
ATOM	1280	C	ILE	172	18.797	13.657	-4.639	1.00	24.52	A
ATOM	1281	O	ILE	172	18.259	14.715	-4.963	1.00	26.19	A
ATOM	1282	N	PHE	179	19.876	19.984	-2.975	1.00	42.30	A
ATOM	1283	CA	PHE	179	21.092	19.709	-2.209	1.00	38.28	A
ATOM	1284	CB	PHE	179	21.397	18.199	-2.157	1.00	36.78	A
ATOM	1285	CG	PHE	179	20.373	17.380	-1.412	1.00	34.19	A
ATOM	1286	CD1	PHE	179	19.165	17.052	-2.012	1.00	33.67	A
ATOM	1287	CD2	PHE	179	20.634	16.909	-0.129	1.00	31.49	A
ATOM	1288	CE1	PHE	179	18.229	16.263	-1.347	1.00	33.59	A
ATOM	1289	CE2	PHE	179	19.707	16.121	0.543	1.00	32.04	A
ATOM	1290	CZ	PHE	179	18.500	15.797	-0.067	1.00	32.17	A
ATOM	1291	C	PHE	179	22.231	20.384	-2.937	1.00	36.53	A
ATOM	1292	O	PHE	179	22.021	21.059	-3.950	1.00	37.28	A
ATOM	1293	N	LYS	180	23.433	20.178	-2.417	1.00	34.55	A
ATOM	1294	CA	LYS	180	24.644	20.711	-3.003	1.00	32.09	A
ATOM	1295	CB	LYS	180	25.148	21.909	-2.194	1.00	33.81	A
ATOM	1296	CG	LYS	180	24.267	23.151	-2.328	1.00	35.25	A
ATOM	1297	CD	LYS	180	23.799	23.308	-3.767	1.00	37.60	A
ATOM	1298	CE	LYS	180	22.706	24.354	-3.928	1.00	40.95	A
ATOM	1299	NZ	LYS	180	22.097	24.264	-5.300	1.00	42.21	A
ATOM	1300	C	LYS	180	25.642	19.565	-2.959	1.00	31.09	A
ATOM	1301	O	LYS	180	26.255	19.286	-1.925	1.00	29.48	A
ATOM	1302	N	SER	181	25.775	18.874	-4.083	1.00	30.63	A
ATOM	1303	CA	SER	181	26.695	17.760	-4.157	1.00	30.95	A
ATOM	1304	CB	SER	181	26.248	16.771	-5.234	1.00	31.00	A
ATOM	1305	OG	SER	181	27.097	16.850	-6.360	1.00	35.32	A
ATOM	1306	C	SER	181	28.077	18.287	-4.485	1.00	30.42	A

Fig. 2A-22

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ATOM	1307	O	SER	181	28.219	19.175	-5.327	1.00	29.79	A
ATOM	1308	N	VAL	182	29.083	17.743	-3.808	1.00	29.93	A
ATOM	1309	CA	VAL	182	30.473	18.132	-4.030	1.00	28.86	A
ATOM	1310	CB	VAL	182	31.156	18.595	-2.713	1.00	29.85	A
ATOM	1311	CG1	VAL	182	32.649	18.700	-2.914	1.00	30.06	A
ATOM	1312	CG2	VAL	182	30.589	19.930	-2.258	1.00	29.11	A
ATOM	1313	C	VAL	182	31.213	16.908	-4.563	1.00	27.74	A
ATOM	1314	O	VAL	182	30.916	15.785	-4.162	1.00	24.75	A
ATOM	1315	N	ASN	183	32.157	17.116	-5.474	1.00	27.76	A
ATOM	1316	CA	ASN	183	32.888	15.992	-6.020	1.00	28.16	A
ATOM	1317	CB	ASN	183	33.480	16.320	-7.387	1.00	28.79	A
ATOM	1318	CG	ASN	183	34.051	15.091	-8.069	1.00	29.95	A
ATOM	1319	OD1	ASN	183	34.307	14.078	-7.422	1.00	30.78	A
ATOM	1320	ND2	ASN	183	34.244	15.171	-9.382	1.00	33.54	A
ATOM	1321	C	ASN	183	33.999	15.587	-5.076	1.00	28.75	A
ATOM	1322	O	ASN	183	35.077	16.177	-5.081	1.00	29.79	A
ATOM	1323	N	ALA	184	33.730	14.584	-4.250	1.00	30.37	A
ATOM	1324	CA	ALA	184	34.724	14.108	-3.301	1.00	30.80	A
ATOM	1325	CB	ALA	184	34.034	13.424	-2.123	1.00	28.89	A
ATOM	1326	C	ALA	184	35.701	13.142	-3.989	1.00	31.72	A
ATOM	1327	O	ALA	184	36.727	12.784	-3.422	1.00	32.16	A
ATOM	1328	N	ASP	185	35.372	12.743	-5.219	1.00	32.12	A
ATOM	1329	CA	ASP	185	36.190	11.828	-6.014	1.00	33.21	A
ATOM	1330	CB	ASP	185	35.454	11.460	-7.300	1.00	35.05	A
ATOM	1331	CG	ASP	185	35.011	10.024	-7.332	1.00	35.98	A
ATOM	1332	OD1	ASP	185	34.308	9.662	-8.302	1.00	37.72	A
ATOM	1333	OD2	ASP	185	35.355	9.263	-6.403	1.00	37.58	A
ATOM	1334	C	ASP	185	37.513	12.480	-6.397	1.00	33.12	A
ATOM	1335	O	ASP	185	38.332	11.892	-7.095	1.00	32.48	A
ATOM	1336	N	GLN	186	37.699	13.711	-5.947	1.00	33.87	A
ATOM	1337	CA	GLN	186	38.900	14.458	-6.266	1.00	33.88	A
ATOM	1338	CB	GLN	186	38.488	15.757	-6.963	1.00	32.23	A
ATOM	1339	CG	GLN	186	38.302	16.951	-6.072	1.00	32.07	A
ATOM	1340	CD	GLN	186	37.618	18.102	-6.796	1.00	32.19	A
ATOM	1341	OE1	GLN	186	36.687	18.712	-6.276	1.00	31.67	A
ATOM	1342	NE2	GLN	186	38.080	18.399	-8.005	1.00	33.15	A
ATOM	1343	C	GLN	186	39.857	14.703	-5.085	1.00	35.39	A
ATOM	1344	O	GLN	186	39.548	14.347	-3.946	1.00	35.72	A
ATOM	1345	N	PRO	187	41.041	15.295	-5.379	1.00	37.46	A
ATOM	1346	CD	PRO	187	41.373	15.651	-6.769	1.00	39.38	A
ATOM	1347	CA	PRO	187	42.150	15.651	-4.483	1.00	38.69	A
ATOM	1348	CB	PRO	187	42.856	16.790	-5.229	1.00	38.86	A
ATOM	1349	CG	PRO	187	42.620	16.495	-6.651	1.00	38.62	A
ATOM	1350	C	PRO	187	41.941	15.999	-3.015	1.00	39.64	A
ATOM	1351	O	PRO	187	42.921	16.046	-2.285	1.00	41.58	A
ATOM	1352	N	LEU	188	40.709	16.247	-2.575	1.00	40.20	A
ATOM	1353	CA	LEU	188	40.453	16.566	-1.169	1.00	41.35	A
ATOM	1354	CB	LEU	188	41.225	15.608	-0.252	1.00	41.96	A
ATOM	1355	CG	LEU	188	40.611	15.211	1.090	1.00	43.04	A
ATOM	1356	CD1	LEU	188	39.170	14.766	0.912	1.00	41.72	A
ATOM	1357	CD2	LEU	188	41.451	14.088	1.681	1.00	44.00	A
ATOM	1358	C	LEU	188	40.804	18.009	-0.799	1.00	41.41	A
ATOM	1359	O	LEU	188	40.077	18.666	-0.046	1.00	41.06	A
ATOM	1360	N	GLU	189	41.929	18.498	-1.302	1.00	42.04	A
ATOM	1361	CA	GLU	189	42.299	19.878	-1.042	1.00	41.05	A
ATOM	1362	CB	GLU	189	43.731	20.142	-1.529	1.00	42.94	A
ATOM	1363	CG	GLU	189	44.059	21.594	-1.792	1.00	47.35	A

**Fig. 2A-23**

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ATOM	1364	CD	GLU	189	45.179	21.749	-2.797	1.00	50.15	A
ATOM	1365	OE1	GLU	189	45.726	20.710	-3.231	1.00	53.36	A
ATOM	1366	OE2	GLU	189	45.512	22.899	-3.155	1.00	50.14	A
ATOM	1367	C	GLU	189	41.282	20.689	-1.846	1.00	38.70	A
ATOM	1368	O	GLU	189	40.833	21.750	-1.421	1.00	38.03	A
ATOM	1369	N	ASN	190	40.904	20.161	-3.004	1.00	35.53	A
ATOM	1370	CA	ASN	190	39.940	20.834	-3.859	1.00	34.37	A
ATOM	1371	CB	ASN	190	40.047	20.303	-5.296	1.00	34.31	A
ATOM	1372	CG	ASN	190	41.341	20.734	-5.986	1.00	36.77	A
ATOM	1373	OD1	ASN	190	41.327	21.257	-7.107	1.00	35.60	A
ATOM	1374	ND2	ASN	190	42.469	20.512	-5.315	1.00	36.43	A
ATOM	1375	C	ASN	190	38.522	20.643	-3.320	1.00	33.41	A
ATOM	1376	O	ASN	190	37.700	21.550	-3.402	1.00	33.28	A
ATOM	1377	N	VAL	191	38.240	19.470	-2.759	1.00	32.48	A
ATOM	1378	CA	VAL	191	36.913	19.202	-2.227	1.00	31.09	A
ATOM	1379	CB	VAL	191	36.763	17.739	-1.798	1.00	30.46	A
ATOM	1380	CG1	VAL	191	37.400	17.521	-0.447	1.00	32.36	A
ATOM	1381	CG2	VAL	191	35.295	17.381	-1.725	1.00	32.87	A
ATOM	1382	C	VAL	191	36.598	20.100	-1.037	1.00	31.27	A
ATOM	1383	O	VAL	191	35.462	20.526	-0.857	1.00	30.07	A
ATOM	1384	N	VAL	192	37.610	20.374	-0.219	1.00	32.20	A
ATOM	1385	CA	VAL	192	37.440	21.232	0.946	1.00	32.67	A
ATOM	1386	CB	VAL	192	38.743	21.307	1.784	1.00	32.41	A
ATOM	1387	CG1	VAL	192	38.729	22.543	2.679	1.00	33.34	A
ATOM	1388	CG2	VAL	192	38.887	20.058	2.628	1.00	32.27	A
ATOM	1389	C	VAL	192	37.105	22.622	0.427	1.00	33.96	A
ATOM	1390	O	VAL	192	36.217	23.299	0.947	1.00	33.97	A
ATOM	1391	N	GLU	193	37.828	23.028	-0.610	1.00	34.56	A
ATOM	1392	CA	GLU	193	37.645	24.329	-1.232	1.00	34.09	A
ATOM	1393	CB	GLU	193	38.743	24.570	-2.271	1.00	34.75	A
ATOM	1394	CG	GLU	193	38.575	25.857	-3.058	1.00	38.39	A
ATOM	1395	CD	GLU	193	39.397	27.002	-2.485	1.00	41.55	A
ATOM	1396	OE1	GLU	193	39.742	26.951	-1.285	1.00	42.80	A
ATOM	1397	OE2	GLU	193	39.704	27.954	-3.233	1.00	43.71	A
ATOM	1398	C	GLU	193	36.280	24.398	-1.902	1.00	34.15	A
ATOM	1399	O	GLU	193	35.653	25.459	-1.970	1.00	31.67	A
ATOM	1400	N	ASP	194	35.819	23.255	-2.395	1.00	34.06	A
ATOM	1401	CA	ASP	194	34.527	23.193	-3.061	1.00	35.43	A
ATOM	1402	CB	ASP	194	34.361	21.852	-3.778	1.00	39.87	A
ATOM	1403	CG	ASP	194	35.107	21.795	-5.105	1.00	44.74	A
ATOM	1404	OD1	ASP	194	35.313	20.676	-5.627	1.00	48.73	A
ATOM	1405	OD2	ASP	194	35.489	22.868	-5.627	1.00	45.84	A
ATOM	1406	C	ASP	194	33.375	23.386	-2.081	1.00	33.60	A
ATOM	1407	O	ASP	194	32.388	24.049	-2.397	1.00	33.96	A
ATOM	1408	N	THR	195	33.506	22.806	-0.892	1.00	31.10	A
ATOM	1409	CA	THR	195	32.471	22.895	0.133	1.00	28.51	A
ATOM	1410	CB	THR	195	32.684	21.817	1.197	1.00	25.86	A
ATOM	1411	OG1	THR	195	33.091	20.607	0.552	1.00	26.64	A
ATOM	1412	CG2	THR	195	31.405	21.565	1.968	1.00	23.67	A
ATOM	1413	C	THR	195	32.438	24.269	0.796	1.00	29.39	A
ATOM	1414	O	THR	195	31.361	24.795	1.100	1.00	29.07	A
ATOM	1415	N	TYR	196	33.617	24.848	1.019	1.00	29.09	A
ATOM	1416	CA	TYR	196	33.723	26.171	1.618	1.00	28.41	A
ATOM	1417	CB	TYR	196	35.185	26.609	1.676	1.00	27.92	A
ATOM	1418	CG	TYR	196	35.377	27.947	2.343	1.00	30.47	A
ATOM	1419	CD1	TYR	196	34.955	28.152	3.653	1.00	30.68	A
ATOM	1420	CE1	TYR	196	35.120	29.378	4.277	1.00	32.91	A

Fig. 2A-24

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ATOM	1421	CD2	TYR	196	35.972	29.011	1.666	1.00	29.95	A
ATOM	1422	CE2	TYR	196	36.142	30.247	2.283	1.00	30.27	A
ATOM	1423	CZ	TYR	196	35.715	30.421	3.587	1.00	32.29	A
ATOM	1424	OH	TYR	196	35.876	31.642	4.209	1.00	33.58	A
ATOM	1425	C	TYR	196	32.922	27.194	0.807	1.00	28.75	A
ATOM	1426	O	TYR	196	31.953	27.770	1.300	1.00	28.74	A
ATOM	1427	N	GLN	197	33.331	27.409	-0.442	1.00	29.70	A
ATOM	1428	CA	GLN	197	32.664	28.366	-1.326	1.00	30.12	A
ATOM	1429	CB	GLN	197	33.244	28.307	-2.748	1.00	30.71	A
ATOM	1430	CG	GLN	197	34.741	28.617	-2.866	1.00	32.91	A
ATOM	1431	CD	GLN	197	35.117	29.975	-2.295	1.00	34.57	A
ATOM	1432	OE1	GLN	197	36.263	30.203	-1.898	1.00	34.65	A
ATOM	1433	NE2	GLN	197	34.152	30.883	-2.250	1.00	36.28	A
ATOM	1434	C	GLN	197	31.172	28.105	-1.399	1.00	29.77	A
ATOM	1435	O	GLN	197	30.381	29.039	-1.497	1.00	30.98	A
ATOM	1436	N	THR	198	30.790	26.832	-1.367	1.00	29.67	A
ATOM	1437	CA	THR	198	29.381	26.457	-1.428	1.00	29.04	A
ATOM	1438	CB	THR	198	29.193	24.928	-1.522	1.00	30.01	A
ATOM	1439	OG1	THR	198	29.747	24.454	-2.748	1.00	31.23	A
ATOM	1440	CG2	THR	198	27.711	24.557	-1.471	1.00	29.60	A
ATOM	1441	C	THR	198	28.641	26.931	-0.189	1.00	28.35	A
ATOM	1442	O	THR	198	27.489	27.367	-0.274	1.00	29.22	A
ATOM	1443	N	ILE	199	29.306	26.847	0.961	1.00	26.89	A
ATOM	1444	CA	ILE	199	28.693	27.257	2.221	1.00	26.05	A
ATOM	1445	CB	ILE	199	29.491	26.726	3.425	1.00	22.54	A
ATOM	1446	CG2	ILE	199	28.986	27.367	4.700	1.00	22.51	A
ATOM	1447	CG1	ILE	199	29.357	25.194	3.480	1.00	24.49	A
ATOM	1448	CD1	ILE	199	30.265	24.503	4.476	1.00	19.88	A
ATOM	1449	C	ILE	199	28.596	28.774	2.301	1.00	26.49	A
ATOM	1450	O	ILE	199	27.523	29.334	2.543	1.00	24.95	A
ATOM	1451	N	ILE	200	29.721	29.438	2.092	1.00	26.20	A
ATOM	1452	CA	ILE	200	29.748	30.886	2.128	1.00	26.94	A
ATOM	1453	CB	ILE	200	31.133	31.411	1.783	1.00	24.62	A
ATOM	1454	CG2	ILE	200	31.038	32.626	0.876	1.00	22.99	A
ATOM	1455	CG1	ILE	200	31.860	31.751	3.069	1.00	23.31	A
ATOM	1456	CD1	ILE	200	33.302	31.831	2.882	1.00	27.38	A
ATOM	1457	C	ILE	200	28.764	31.459	1.123	1.00	29.12	A
ATOM	1458	O	ILE	200	28.002	32.381	1.428	1.00	29.81	A
ATOM	1459	N	LYS	201	28.790	30.913	-0.082	1.00	29.86	A
ATOM	1460	CA	LYS	201	27.906	31.386	-1.119	1.00	31.05	A
ATOM	1461	CB	LYS	201	27.987	30.471	-2.342	1.00	31.60	A
ATOM	1462	CG	LYS	201	27.639	31.179	-3.635	1.00	33.47	A
ATOM	1463	CD	LYS	201	27.753	30.259	-4.839	1.00	35.94	A
ATOM	1464	CE	LYS	201	26.389	29.858	-5.410	1.00	35.63	A
ATOM	1465	NZ	LYS	201	25.239	30.668	-4.929	1.00	36.73	A
ATOM	1466	C	LYS	201	26.497	31.407	-0.560	1.00	31.73	A
ATOM	1467	O	LYS	201	25.734	32.343	-0.813	1.00	33.40	A
ATOM	1468	N	TYR	202	26.172	30.391	0.232	1.00	30.79	A
ATOM	1469	CA	TYR	202	24.842	30.276	0.810	1.00	29.56	A
ATOM	1470	CB	TYR	202	24.578	28.829	1.235	1.00	31.82	A
ATOM	1471	CG	TYR	202	23.640	28.715	2.406	1.00	35.00	A
ATOM	1472	CD1	TYR	202	22.257	28.736	2.225	1.00	35.34	A
ATOM	1473	CE1	TYR	202	21.389	28.708	3.314	1.00	37.00	A
ATOM	1474	CD2	TYR	202	24.132	28.653	3.707	1.00	38.46	A
ATOM	1475	CE2	TYR	202	23.272	28.624	4.804	1.00	38.62	A
ATOM	1476	CZ	TYR	202	21.902	28.654	4.598	1.00	39.22	A
ATOM	1477	OH	TYR	202	21.039	28.636	5.674	1.00	42.22	A

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ATOM	1478	C	TYR	202	24.596	31.212	1.995	1.00	27.29	A
ATOM	1479	O	TYR	202	23.524	31.815	2.118	1.00	26.09	A
ATOM	1480	N	LEU	203	25.578	31.333	2.877	1.00	24.50	A
ATOM	1481	CA	LEU	203	25.412	32.197	4.036	1.00	24.11	A
ATOM	1482	CB	LEU	203	26.509	31.923	5.071	1.00	20.94	A
ATOM	1483	CG	LEU	203	26.394	30.574	5.806	1.00	18.75	A
ATOM	1484	CD1	LEU	203	27.648	30.341	6.627	1.00	16.76	A
ATOM	1485	CD2	LEU	203	25.157	30.557	6.697	1.00	14.06	A
ATOM	1486	C	LEU	203	25.411	33.670	3.659	1.00	24.08	A
ATOM	1487	O	LEU	203	25.226	34.522	4.525	1.00	26.06	A
ATOM	1488	N	GLY	1002	0.809	-19.930	16.573	1.00	42.87	B
ATOM	1489	CA	GLY	1002	0.083	-19.251	17.636	1.00	41.86	B
ATOM	1490	C	GLY	1002	-1.401	-19.161	17.372	1.00	40.58	B
ATOM	1491	O	GLY	1002	-1.817	-19.041	16.219	1.00	42.44	B
ATOM	1492	N	SER	1003	-2.205	-19.220	18.429	1.00	38.27	B
ATOM	1493	CA	SER	1003	-3.652	-19.123	18.257	1.00	36.49	B
ATOM	1494	CB	SER	1003	-4.403	-19.813	19.400	1.00	34.65	B
ATOM	1495	OG	SER	1003	-3.688	-20.916	19.905	1.00	32.06	B
ATOM	1496	C	SER	1003	-4.089	-17.663	18.192	1.00	34.99	B
ATOM	1497	O	SER	1003	-4.811	-17.262	17.272	1.00	35.62	B
ATOM	1498	N	ALA	1004	-3.657	-16.860	19.161	1.00	32.10	B
ATOM	1499	CA	ALA	1004	-4.066	-15.463	19.153	1.00	28.42	B
ATOM	1500	CB	ALA	1004	-5.569	-15.381	19.387	1.00	30.28	B
ATOM	1501	C	ALA	1004	-3.355	-14.503	20.096	1.00	25.00	B
ATOM	1502	O	ALA	1004	-2.889	-14.870	21.173	1.00	21.35	B
ATOM	1503	N	PHE	1005	-3.291	-13.255	19.652	1.00	23.78	B
ATOM	1504	CA	PHE	1005	-2.686	-12.177	20.409	1.00	21.62	B
ATOM	1505	CB	PHE	1005	-1.707	-11.397	19.545	1.00	22.42	B
ATOM	1506	CG	PHE	1005	-0.963	-10.354	20.301	1.00	26.35	B
ATOM	1507	CD1	PHE	1005	-0.773	-10.489	21.675	1.00	26.35	B
ATOM	1508	CD2	PHE	1005	-0.504	-9.207	19.667	1.00	28.38	B
ATOM	1509	CE1	PHE	1005	-0.117	-9.507	22.406	1.00	27.84	B
ATOM	1510	CE2	PHE	1005	0.155	-8.214	20.392	1.00	27.65	B
ATOM	1511	CZ	PHE	1005	0.339	-8.359	21.764	1.00	28.20	B
ATOM	1512	C	PHE	1005	-3.835	-11.270	20.818	1.00	20.16	B
ATOM	1513	O	PHE	1005	-4.435	-10.593	19.979	1.00	17.59	B
ATOM	1514	N	ILE	1006	-4.138	-11.258	22.111	1.00	21.00	B
ATOM	1515	CA	ILE	1006	-5.246	-10.459	22.618	1.00	20.45	B
ATOM	1516	CB	ILE	1006	-6.278	-11.363	23.292	1.00	19.15	B
ATOM	1517	CG2	ILE	1006	-7.524	-10.566	23.643	1.00	17.97	B
ATOM	1518	CG1	ILE	1006	-6.590	-12.534	22.349	1.00	18.66	B
ATOM	1519	CD1	ILE	1006	-7.661	-13.457	22.830	1.00	18.27	B
ATOM	1520	C	ILE	1006	-4.791	-9.379	23.575	1.00	20.43	B
ATOM	1521	O	ILE	1006	-4.005	-9.627	24.487	1.00	19.25	B
ATOM	1522	N	THR	1007	-5.281	-8.170	23.342	1.00	22.01	B
ATOM	1523	CA	THR	1007	-4.917	-7.032	24.167	1.00	23.15	B
ATOM	1524	CB	THR	1007	-4.253	-5.947	23.293	1.00	22.76	B
ATOM	1525	OG1	THR	1007	-5.190	-5.485	22.311	1.00	23.22	B
ATOM	1526	CG2	THR	1007	-3.045	-6.527	22.556	1.00	22.03	B
ATOM	1527	C	THR	1007	-6.114	-6.443	24.922	1.00	23.69	B
ATOM	1528	O	THR	1007	-7.261	-6.519	24.482	1.00	21.68	B
ATOM	1529	N	PHE	1008	-5.834	-5.868	26.080	1.00	26.06	B
ATOM	1530	CA	PHE	1008	-6.880	-5.267	26.898	1.00	28.14	B
ATOM	1531	CB	PHE	1008	-6.838	-5.820	28.325	1.00	29.74	B
ATOM	1532	CG	PHE	1008	-7.088	-7.295	28.411	1.00	32.79	B
ATOM	1533	CD1	PHE	1008	-8.116	-7.790	29.208	1.00	34.56	B
ATOM	1534	CD2	PHE	1008	-6.283	-8.196	27.718	1.00	33.13	B

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ATOM	1535	CE1	PHE	1008	-8.346	-9.165	29.305	1.00	35.69	B
ATOM	1536	CE2	PHE	1008	-6.501	-9.574	27.806	1.00	33.60	B
ATOM	1537	CZ	PHE	1008	-7.535	-10.056	28.609	1.00	35.88	B
ATOM	1538	C	PHE	1008	-6.660	-3.762	26.946	1.00	27.74	B
ATOM	1539	O	PHE	1008	-5.676	-3.284	27.502	1.00	24.38	B
ATOM	1540	N	GLU	1009	-7.579	-3.008	26.368	1.00	27.62	B
ATOM	1541	CA	GLU	1009	-7.429	-1.568	26.380	1.00	27.29	B
ATOM	1542	CB	GLU	1009	-7.546	-1.034	24.957	1.00	30.06	B
ATOM	1543	CG	GLU	1009	-6.345	-1.420	24.101	1.00	30.61	B
ATOM	1544	CD	GLU	1009	-5.053	-0.756	24.575	1.00	33.51	B
ATOM	1545	OE1	GLU	1009	-3.992	-1.020	23.969	1.00	32.69	B
ATOM	1546	OE2	GLU	1009	-5.095	0.030	25.555	1.00	33.25	B
ATOM	1547	C	GLU	1009	-8.435	-0.906	27.306	1.00	26.16	B
ATOM	1548	O	GLU	1009	-9.527	-1.418	27.538	1.00	22.48	B
ATOM	1549	N	GLY	1010	-8.045	0.234	27.857	1.00	27.94	B
ATOM	1550	CA	GLY	1010	-8.930	0.940	28.758	1.00	29.94	B
ATOM	1551	C	GLY	1010	-8.186	1.929	29.624	1.00	30.85	B
ATOM	1552	O	GLY	1010	-7.021	1.709	29.967	1.00	30.29	B
ATOM	1553	N	PRO	1011	-8.851	3.028	30.013	1.00	31.71	B
ATOM	1554	CD	PRO	1011	-10.262	3.298	29.681	1.00	32.44	B
ATOM	1555	CA	PRO	1011	-8.265	4.082	30.849	1.00	31.73	B
ATOM	1556	CB	PRO	1011	-9.138	5.304	30.562	1.00	32.41	B
ATOM	1557	CG	PRO	1011	-10.439	4.756	30.019	1.00	32.23	B
ATOM	1558	C	PRO	1011	-8.245	3.747	32.331	1.00	31.31	B
ATOM	1559	O	PRO	1011	-8.649	2.653	32.742	1.00	32.99	B
ATOM	1560	N	GLU	1012	-7.768	4.688	33.138	1.00	29.79	B
ATOM	1561	CA	GLU	1012	-7.737	4.460	34.564	1.00	27.55	B
ATOM	1562	CB	GLU	1012	-6.998	5.592	35.277	1.00	29.70	B
ATOM	1563	CG	GLU	1012	-6.104	5.078	36.409	1.00	34.80	B
ATOM	1564	CD	GLU	1012	-4.944	5.996	36.725	1.00	37.57	B
ATOM	1565	OE1	GLU	1012	-4.121	6.247	35.822	1.00	39.61	B
ATOM	1566	OE2	GLU	1012	-4.851	6.465	37.879	1.00	39.54	B
ATOM	1567	C	GLU	1012	-9.195	4.392	34.989	1.00	23.66	B
ATOM	1568	O	GLU	1012	-10.072	4.875	34.274	1.00	22.16	B
ATOM	1569	N	GLY	1013	-9.457	3.766	36.127	1.00	21.66	B
ATOM	1570	CA	GLY	1013	-10.826	3.648	36.605	1.00	21.23	B
ATOM	1571	C	GLY	1013	-11.693	2.685	35.816	1.00	19.21	B
ATOM	1572	O	GLY	1013	-12.881	2.548	36.106	1.00	17.99	B
ATOM	1573	N	SER	1014	-11.097	2.019	34.827	1.00	19.72	B
ATOM	1574	CA	SER	1014	-11.803	1.055	33.985	1.00	17.23	B
ATOM	1575	CB	SER	1014	-11.154	0.973	32.587	1.00	15.73	B
ATOM	1576	OG	SER	1014	-9.964	0.201	32.565	1.00	6.67	B
ATOM	1577	C	SER	1014	-11.821	-0.323	34.630	1.00	20.08	B
ATOM	1578	O	SER	1014	-12.659	-1.160	34.292	1.00	21.83	B
ATOM	1579	N	GLY	1015	-10.903	-0.542	35.571	1.00	21.90	B
ATOM	1580	CA	GLY	1015	-10.804	-1.820	36.260	1.00	21.91	B
ATOM	1581	C	GLY	1015	-9.969	-2.797	35.458	1.00	22.02	B
ATOM	1582	O	GLY	1015	-9.981	-3.996	35.711	1.00	21.89	B
ATOM	1583	N	LYS	1016	-9.231	-2.275	34.488	1.00	21.98	B
ATOM	1584	CA	LYS	1016	-8.421	-3.105	33.623	1.00	22.53	B
ATOM	1585	CB	LYS	1016	-7.608	-2.244	32.648	1.00	23.14	B
ATOM	1586	CG	LYS	1016	-7.237	-2.995	31.354	1.00	23.43	B
ATOM	1587	CD	LYS	1016	-6.578	-2.101	30.302	1.00	22.86	B
ATOM	1588	CE	LYS	1016	-5.686	-1.035	30.921	1.00	18.96	B
ATOM	1589	NZ	LYS	1016	-4.279	-1.489	31.073	1.00	21.09	B
ATOM	1590	C	LYS	1016	-7.495	-4.075	34.326	1.00	22.81	B
ATOM	1591	O	LYS	1016	-7.530	-5.270	34.045	1.00	25.20	B

Fig. 2A-27

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ATOM	1592	N	THR	1017	-6.668	-3.583	35.233	1.00	23.24	B
ATOM	1593	CA	THR	1017	-5.725	-4.449	35.923	1.00	24.26	B
ATOM	1594	CB	THR	1017	-4.878	-3.638	36.904	1.00	25.41	B
ATOM	1595	OG1	THR	1017	-3.840	-4.463	37.446	1.00	29.68	B
ATOM	1596	CG2	THR	1017	-5.742	-3.107	38.027	1.00	29.83	B
ATOM	1597	C	THR	1017	-6.394	-5.613	36.658	1.00	25.17	B
ATOM	1598	O	THR	1017	-5.852	-6.719	36.708	1.00	25.22	B
ATOM	1599	N	THR	1018	-7.580	-5.364	37.205	1.00	26.73	B
ATOM	1600	CA	THR	1018	-8.328	-6.378	37.950	1.00	25.28	B
ATOM	1601	CB	THR	1018	-9.414	-5.701	38.832	1.00	26.80	B
ATOM	1602	OG1	THR	1018	-8.770	-4.874	39.808	1.00	29.40	B
ATOM	1603	CG2	THR	1018	-10.281	-6.737	39.550	1.00	22.91	B
ATOM	1604	C	THR	1018	-8.992	-7.404	37.039	1.00	24.21	B
ATOM	1605	O	THR	1018	-9.045	-8.594	37.359	1.00	22.96	B
ATOM	1606	N	VAL	1019	-9.486	-6.931	35.902	1.00	22.37	B
ATOM	1607	CA	VAL	1019	-10.164	-7.779	34.937	1.00	22.87	B
ATOM	1608	CB	VAL	1019	-10.888	-6.932	33.904	1.00	22.80	B
ATOM	1609	CG1	VAL	1019	-11.582	-7.827	32.891	1.00	23.74	B
ATOM	1610	CG2	VAL	1019	-11.872	-6.020	34.597	1.00	24.35	B
ATOM	1611	C	VAL	1019	-9.260	-8.755	34.187	1.00	24.10	B
ATOM	1612	O	VAL	1019	-9.572	-9.944	34.085	1.00	25.94	B
ATOM	1613	N	ILE	1020	-8.151	-8.256	33.655	1.00	23.26	B
ATOM	1614	CA	ILE	1020	-7.236	-9.101	32.900	1.00	24.48	B
ATOM	1615	CB	ILE	1020	-6.017	-8.277	32.367	1.00	23.76	B
ATOM	1616	CG2	ILE	1020	-5.168	-7.764	33.515	1.00	22.68	B
ATOM	1617	CG1	ILE	1020	-5.177	-9.129	31.411	1.00	22.91	B
ATOM	1618	CD1	ILE	1020	-3.957	-8.407	30.849	1.00	22.28	B
ATOM	1619	C	ILE	1020	-6.750	-10.311	33.698	1.00	25.69	B
ATOM	1620	O	ILE	1020	-6.756	-11.436	33.190	1.00	24.60	B
ATOM	1621	N	ASN	1021	-6.358	-10.090	34.950	1.00	27.37	B
ATOM	1622	CA	ASN	1021	-5.868	-11.169	35.794	1.00	29.11	B
ATOM	1623	CB	ASN	1021	-5.226	-10.598	37.059	1.00	34.21	B
ATOM	1624	CG	ASN	1021	-4.618	-11.680	37.944	1.00	39.81	B
ATOM	1625	OD1	ASN	1021	-4.761	-11.648	39.174	1.00	43.11	B
ATOM	1626	ND2	ASN	1021	-3.937	-12.642	37.327	1.00	39.90	B
ATOM	1627	C	ASN	1021	-6.942	-12.190	36.166	1.00	28.95	B
ATOM	1628	O	ASN	1021	-6.653	-13.382	36.230	1.00	30.74	B
ATOM	1629	N	GLU	1022	-8.173	-11.737	36.410	1.00	29.46	B
ATOM	1630	CA	GLU	1022	-9.276	-12.646	36.767	1.00	28.78	B
ATOM	1631	CB	GLU	1022	-10.574	-11.888	37.060	1.00	33.74	B
ATOM	1632	CG	GLU	1022	-10.505	-10.822	38.121	1.00	40.77	B
ATOM	1633	CD	GLU	1022	-9.935	-11.338	39.407	1.00	44.92	B
ATOM	1634	OE1	GLU	1022	-9.841	-12.578	39.561	1.00	47.00	B
ATOM	1635	OE2	GLU	1022	-9.576	-10.498	40.262	1.00	49.32	B
ATOM	1636	C	GLU	1022	-9.549	-13.543	35.583	1.00	26.10	B
ATOM	1637	O	GLU	1022	-9.694	-14.759	35.713	1.00	23.64	B
ATOM	1638	N	VAL	1023	-9.648	-12.901	34.425	1.00	23.86	B
ATOM	1639	CA	VAL	1023	-9.888	-13.582	33.171	1.00	22.29	B
ATOM	1640	CB	VAL	1023	-9.934	-12.570	32.030	1.00	22.20	B
ATOM	1641	CG1	VAL	1023	-9.955	-13.280	30.690	1.00	24.04	B
ATOM	1642	CG2	VAL	1023	-11.140	-11.691	32.200	1.00	22.35	B
ATOM	1643	C	VAL	1023	-8.750	-14.568	32.948	1.00	21.29	B
ATOM	1644	O	VAL	1023	-8.984	-15.756	32.726	1.00	23.15	B
ATOM	1645	N	TYR	1024	-7.523	-14.066	33.033	1.00	18.03	B
ATOM	1646	CA	TYR	1024	-6.335	-14.880	32.852	1.00	17.65	B
ATOM	1647	CB	TYR	1024	-5.068	-14.071	33.177	1.00	12.17	B
ATOM	1648	CG	TYR	1024	-3.778	-14.867	33.102	1.00	8.39	B

Fig. 2A-28

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ATOM	1649	CD1	TYR	1024	-3.496	-15.677	31.996	1.00	7.78	B
ATOM	1650	CE1	TYR	1024	-2.294	-16.371	31.898	1.00	6.49	B
ATOM	1651	CD2	TYR	1024	-2.824	-14.780	34.110	1.00	6.31	B
ATOM	1652	CE2	TYR	1024	-1.616	-15.472	34.023	1.00	9.05	B
ATOM	1653	CZ	TYR	1024	-1.354	-16.263	32.909	1.00	8.19	B
ATOM	1654	OH	TYR	1024	-0.129	-16.900	32.794	1.00	8.39	B
ATOM	1655	C	TYR	1024	-6.379	-16.117	33.731	1.00	20.51	B
ATOM	1656	O	TYR	1024	-6.314	-17.243	33.227	1.00	19.80	B
ATOM	1657	N	HIS	1025	-6.485	-15.904	35.044	1.00	24.09	B
ATOM	1658	CA	HIS	1025	-6.519	-17.013	35.991	1.00	29.44	B
ATOM	1659	CB	HIS	1025	-6.713	-16.494	37.427	1.00	35.85	B
ATOM	1660	CG	HIS	1025	-6.492	-17.545	38.478	1.00	45.17	B
ATOM	1661	CD2	HIS	1025	-5.374	-18.168	38.912	1.00	48.17	B
ATOM	1662	ND1	HIS	1025	-7.539	-18.081	39.219	1.00	47.96	B
ATOM	1663	CE1	HIS	1025	-7.052	-18.995	40.055	1.00	48.98	B
ATOM	1664	NE2	HIS	1025	-5.748	-19.061	39.885	1.00	49.88	B
ATOM	1665	C	HIS	1025	-7.626	-18.003	35.640	1.00	30.01	B
ATOM	1666	O	HIS	1025	-7.472	-19.218	35.829	1.00	30.15	B
ATOM	1667	N	ARG	1026	-8.729	-17.480	35.113	1.00	29.75	B
ATOM	1668	CA	ARG	1026	-9.873	-18.298	34.736	1.00	30.27	B
ATOM	1669	CB	ARG	1026	-11.112	-17.400	34.576	1.00	31.49	B
ATOM	1670	CG	ARG	1026	-12.448	-18.124	34.652	1.00	34.20	B
ATOM	1671	CD	ARG	1026	-13.622	-17.150	34.748	1.00	36.10	B
ATOM	1672	NE	ARG	1026	-13.504	-16.252	35.897	1.00	39.14	B
ATOM	1673	CZ	ARG	1026	-14.484	-15.472	36.362	1.00	40.20	B
ATOM	1674	NH1	ARG	1026	-14.267	-14.692	37.417	1.00	40.00	B
ATOM	1675	NH2	ARG	1026	-15.680	-15.465	35.780	1.00	38.96	B
ATOM	1676	C	ARG	1026	-9.621	-19.072	33.439	1.00	30.31	B
ATOM	1677	O	ARG	1026	-10.124	-20.180	33.267	1.00	30.26	B
ATOM	1678	N	LEU	1027	-8.829	-18.493	32.540	1.00	30.44	B
ATOM	1679	CA	LEU	1027	-8.548	-19.119	31.256	1.00	28.40	B
ATOM	1680	CB	LEU	1027	-8.248	-18.048	30.203	1.00	27.09	B
ATOM	1681	CG	LEU	1027	-9.447	-17.236	29.690	1.00	28.27	B
ATOM	1682	CD1	LEU	1027	-8.959	-16.055	28.870	1.00	28.15	B
ATOM	1683	CD2	LEU	1027	-10.359	-18.121	28.852	1.00	29.72	B
ATOM	1684	C	LEU	1027	-7.426	-20.141	31.272	1.00	26.93	B
ATOM	1685	O	LEU	1027	-7.423	-21.067	30.467	1.00	25.91	B
ATOM	1686	N	VAL	1028	-6.481	-19.979	32.189	1.00	27.68	B
ATOM	1687	CA	VAL	1028	-5.350	-20.897	32.277	1.00	29.11	B
ATOM	1688	CB	VAL	1028	-4.405	-20.530	33.438	1.00	27.20	B
ATOM	1689	CG1	VAL	1028	-3.443	-21.663	33.708	1.00	28.81	B
ATOM	1690	CG2	VAL	1028	-3.645	-19.275	33.095	1.00	28.05	B
ATOM	1691	C	VAL	1028	-5.779	-22.345	32.458	1.00	30.78	B
ATOM	1692	O	VAL	1028	-5.025	-23.269	32.120	1.00	31.77	B
ATOM	1693	N	LYS	1029	-6.984	-22.538	32.986	1.00	32.21	B
ATOM	1694	CA	LYS	1029	-7.505	-23.871	33.229	1.00	34.92	B
ATOM	1695	CB	LYS	1029	-8.594	-23.806	34.310	1.00	36.13	B
ATOM	1696	CG	LYS	1029	-8.085	-24.116	35.715	1.00	38.35	B
ATOM	1697	CD	LYS	1029	-7.676	-22.857	36.443	1.00	39.87	B
ATOM	1698	CE	LYS	1029	-6.909	-23.177	37.723	1.00	38.75	B
ATOM	1699	NZ	LYS	1029	-6.863	-21.971	38.620	1.00	38.89	B
ATOM	1700	C	LYS	1029	-8.060	-24.560	31.970	1.00	34.57	B
ATOM	1701	O	LYS	1029	-8.253	-25.778	31.972	1.00	36.68	B
ATOM	1702	N	ASP	1030	-8.312	-23.794	30.906	1.00	33.48	B
ATOM	1703	CA	ASP	1030	-8.870	-24.351	29.671	1.00	29.73	B
ATOM	1704	CB	ASP	1030	-10.309	-23.862	29.471	1.00	29.63	B
ATOM	1705	CG	ASP	1030	-11.202	-24.180	30.648	1.00	29.05	B

Fig. 2A-29

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ATOM	1706	OD1	ASP	1030	-10.723	-24.801	31.612	1.00	29.79	B
ATOM	1707	OD2	ASP	1030	-12.385	-23.807	30.621	1.00	30.33	B
ATOM	1708	C	ASP	1030	-8.081	-24.016	28.413	1.00	27.98	B
ATOM	1709	O	ASP	1030	-8.436	-24.468	27.325	1.00	25.91	B
ATOM	1710	N	TYR	1031	-7.024	-23.223	28.549	1.00	25.00	B
ATOM	1711	CA	TYR	1031	-6.245	-22.842	27.375	1.00	21.35	B
ATOM	1712	CB	TYR	1031	-6.729	-21.487	26.837	1.00	19.50	B
ATOM	1713	CG	TYR	1031	-8.182	-21.463	26.436	1.00	16.83	B
ATOM	1714	CD1	TYR	1031	-9.184	-21.204	27.370	1.00	17.00	B
ATOM	1715	CE1	TYR	1031	-10.531	-21.208	27.006	1.00	14.72	B
ATOM	1716	CD2	TYR	1031	-8.557	-21.726	25.129	1.00	18.19	B
ATOM	1717	CE2	TYR	1031	-9.898	-21.733	24.752	1.00	16.91	B
ATOM	1718	CZ	TYR	1031	-10.879	-21.479	25.691	1.00	17.09	B
ATOM	1719	OH	TYR	1031	-12.204	-21.499	25.310	1.00	14.46	B
ATOM	1720	C	TYR	1031	-4.749	-22.762	27.650	1.00	20.89	B
ATOM	1721	O	TYR	1031	-4.294	-22.836	28.794	1.00	18.42	B
ATOM	1722	N	ASP	1032	-3.985	-22.645	26.574	1.00	22.94	B
ATOM	1723	CA	ASP	1032	-2.543	-22.508	26.683	1.00	23.92	B
ATOM	1724	CB	ASP	1032	-1.830	-23.322	25.615	1.00	21.98	B
ATOM	1725	CG	ASP	1032	-0.339	-23.133	25.658	1.00	24.66	B
ATOM	1726	OD1	ASP	1032	0.211	-22.995	26.771	1.00	21.36	B
ATOM	1727	OD2	ASP	1032	0.282	-23.124	24.575	1.00	29.32	B
ATOM	1728	C	ASP	1032	-2.328	-21.026	26.440	1.00	24.95	B
ATOM	1729	O	ASP	1032	-1.995	-20.592	25.331	1.00	24.96	B
ATOM	1730	N	VAL	1033	-2.542	-20.252	27.495	1.00	24.98	B
ATOM	1731	CA	VAL	1033	-2.427	-18.814	27.407	1.00	25.81	B
ATOM	1732	CB	VAL	1033	-3.821	-18.174	27.588	1.00	25.87	B
ATOM	1733	CG1	VAL	1033	-4.481	-18.737	28.830	1.00	28.68	B
ATOM	1734	CG2	VAL	1033	-3.708	-16.661	27.691	1.00	29.49	B
ATOM	1735	C	VAL	1033	-1.477	-18.238	28.445	1.00	25.35	B
ATOM	1736	O	VAL	1033	-1.302	-18.816	29.525	1.00	28.02	B
ATOM	1737	N	ILE	1034	-0.837	-17.118	28.100	1.00	21.73	B
ATOM	1738	CA	ILE	1034	0.046	-16.427	29.030	1.00	18.66	B
ATOM	1739	CB	ILE	1034	1.546	-16.490	28.607	1.00	18.56	B
ATOM	1740	CG2	ILE	1034	1.937	-17.927	28.281	1.00	20.50	B
ATOM	1741	CG1	ILE	1034	1.809	-15.615	27.387	1.00	18.26	B
ATOM	1742	CD1	ILE	1034	3.253	-15.664	26.926	1.00	14.65	B
ATOM	1743	C	ILE	1034	-0.437	-14.979	29.083	1.00	17.98	B
ATOM	1744	O	ILE	1034	-1.212	-14.543	28.236	1.00	17.67	B
ATOM	1745	N	MET	1035	-0.006	-14.240	30.092	1.00	17.36	B
ATOM	1746	CA	MET	1035	-0.421	-12.858	30.242	1.00	17.22	B
ATOM	1747	CB	MET	1035	-1.385	-12.722	31.426	1.00	17.46	B
ATOM	1748	CG	MET	1035	-1.954	-11.331	31.611	1.00	19.72	B
ATOM	1749	SD	MET	1035	-1.983	-10.817	33.359	1.00	22.58	B
ATOM	1750	CE	MET	1035	-0.437	-9.973	33.455	1.00	21.62	B
ATOM	1751	C	MET	1035	0.826	-12.029	30.463	1.00	17.87	B
ATOM	1752	O	MET	1035	1.677	-12.354	31.296	1.00	17.85	B
ATOM	1753	N	THR	1036	0.941	-10.955	29.696	1.00	19.18	B
ATOM	1754	CA	THR	1036	2.105	-10.107	29.799	1.00	20.66	B
ATOM	1755	CB	THR	1036	3.065	-10.396	28.617	1.00	20.80	B
ATOM	1756	OG1	THR	1036	4.356	-9.859	28.904	1.00	23.06	B
ATOM	1757	CG2	THR	1036	2.542	-9.783	27.343	1.00	21.22	B
ATOM	1758	C	THR	1036	1.769	-8.618	29.865	1.00	20.74	B
ATOM	1759	O	THR	1036	0.795	-8.145	29.275	1.00	18.97	B
ATOM	1760	N	ARG	1037	2.582	-7.904	30.633	1.00	22.39	B
ATOM	1761	CA	ARG	1037	2.456	-6.469	30.822	1.00	24.72	B
ATOM	1762	CB	ARG	1037	2.299	-6.126	32.321	1.00	26.66	B

**Fig. 2A-30**

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ATOM	1763	CG	ARG	1037	1.562	-7.191	33.162	1.00	30.81	B
ATOM	1764	CD	ARG	1037	1.871	-7.094	34.663	1.00	32.69	B
ATOM	1765	NE	ARG	1037	0.814	-7.692	35.484	1.00	35.51	B
ATOM	1766	CZ	ARG	1037	1.022	-8.320	36.640	1.00	34.79	B
ATOM	1767	NH1	ARG	1037	-0.003	-8.827	37.309	1.00	34.18	B
ATOM	1768	NH2	ARG	1037	2.250	-8.438	37.126	1.00	35.46	B
ATOM	1769	C	ARG	1037	3.784	-5.930	30.298	1.00	25.92	B
ATOM	1770	O	ARG	1037	4.823	-6.109	30.943	1.00	25.92	B
ATOM	1771	N	GLU	1038	3.766	-5.294	29.129	1.00	26.43	B
ATOM	1772	CA	GLU	1038	5.006	-4.762	28.568	1.00	28.04	B
ATOM	1773	CB	GLU	1038	4.739	-3.980	27.282	1.00	29.29	B
ATOM	1774	CG	GLU	1038	3.757	-2.830	27.395	1.00	33.57	B
ATOM	1775	CD	GLU	1038	3.464	-2.192	26.042	1.00	34.71	B
ATOM	1776	OE1	GLU	1038	3.599	-2.878	25.001	1.00	31.34	B
ATOM	1777	OE2	GLU	1038	3.096	-0.999	26.025	1.00	39.22	B
ATOM	1778	C	GLU	1038	5.715	-3.871	29.580	1.00	27.23	B
ATOM	1779	O	GLU	1038	5.074	-3.145	30.345	1.00	28.46	B
ATOM	1780	N	PRO	1039	7.053	-3.911	29.596	1.00	25.14	B
ATOM	1781	CD	PRO	1039	7.846	-3.123	30.555	1.00	24.99	B
ATOM	1782	CA	PRO	1039	7.897	-4.730	28.725	1.00	24.59	B
ATOM	1783	CB	PRO	1039	9.217	-3.958	28.679	1.00	25.96	B
ATOM	1784	CG	PRO	1039	9.216	-3.094	29.945	1.00	26.84	B
ATOM	1785	C	PRO	1039	8.078	-6.187	29.174	1.00	23.69	B
ATOM	1786	O	PRO	1039	8.996	-6.868	28.720	1.00	23.48	B
ATOM	1787	N	GLY	1040	7.212	-6.645	30.077	1.00	22.37	B
ATOM	1788	CA	GLY	1040	7.240	-8.021	30.558	1.00	18.07	B
ATOM	1789	C	GLY	1040	8.540	-8.678	30.990	1.00	16.70	B
ATOM	1790	O	GLY	1040	8.698	-9.890	30.841	1.00	14.25	B
ATOM	1791	N	GLY	1041	9.478	-7.897	31.511	1.00	16.89	B
ATOM	1792	CA	GLY	1041	10.727	-8.474	31.971	1.00	15.99	B
ATOM	1793	C	GLY	1041	11.882	-8.488	30.995	1.00	16.64	B
ATOM	1794	O	GLY	1041	13.023	-8.675	31.409	1.00	16.87	B
ATOM	1795	N	VAL	1042	11.618	-8.300	29.709	1.00	17.18	B
ATOM	1796	CA	VAL	1042	12.703	-8.298	28.740	1.00	16.78	B
ATOM	1797	CB	VAL	1042	12.174	-8.010	27.318	1.00	14.36	B
ATOM	1798	CG1	VAL	1042	13.289	-8.164	26.303	1.00	13.73	B
ATOM	1799	CG2	VAL	1042	11.021	-8.946	26.998	1.00	8.53	B
ATOM	1800	C	VAL	1042	13.664	-7.198	29.191	1.00	19.27	B
ATOM	1801	O	VAL	1042	13.311	-6.023	29.223	1.00	22.22	B
ATOM	1802	N	PRO	1043	14.893	-7.569	29.563	1.00	21.26	B
ATOM	1803	CD	PRO	1043	15.436	-8.934	29.561	1.00	22.32	B
ATOM	1804	CA	PRO	1043	15.887	-6.595	30.023	1.00	24.14	B
ATOM	1805	CB	PRO	1043	17.159	-7.426	30.202	1.00	23.17	B
ATOM	1806	CG	PRO	1043	16.904	-8.696	29.464	1.00	22.80	B
ATOM	1807	C	PRO	1043	16.106	-5.399	29.093	1.00	25.41	B
ATOM	1808	O	PRO	1043	16.235	-4.265	29.561	1.00	25.65	B
ATOM	1809	N	THR	1044	16.146	-5.649	27.788	1.00	25.10	B
ATOM	1810	CA	THR	1044	16.359	-4.577	26.825	1.00	26.61	B
ATOM	1811	CB	THR	1044	16.609	-5.128	25.389	1.00	25.43	B
ATOM	1812	OG1	THR	1044	15.595	-6.080	25.049	1.00	25.55	B
ATOM	1813	CG2	THR	1044	17.980	-5.798	25.296	1.00	24.53	B
ATOM	1814	C	THR	1044	15.155	-3.644	26.796	1.00	27.12	B
ATOM	1815	O	THR	1044	15.274	-2.462	26.465	1.00	27.96	B
ATOM	1816	N	GLY	1045	13.992	-4.179	27.143	1.00	26.84	B
ATOM	1817	CA	GLY	1045	12.801	-3.357	27.151	1.00	28.65	B
ATOM	1818	C	GLY	1045	12.793	-2.556	28.429	1.00	30.23	B
ATOM	1819	O	GLY	1045	12.274	-1.438	28.483	1.00	30.19	B

**Fig. 2A-31**

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ATOM	1820	N	GLU	1046	13.384	-3.147	29.463	1.00	30.98	B
ATOM	1821	CA	GLU	1046	13.473	-2.521	30.772	1.00	31.34	B
ATOM	1822	CB	GLU	1046	14.002	-3.532	31.789	1.00	31.82	B
ATOM	1823	CG	GLU	1046	13.105	-4.749	31.943	1.00	35.60	B
ATOM	1824	CD	GLU	1046	11.665	-4.368	32.224	1.00	37.09	B
ATOM	1825	OE1	GLU	1046	11.454	-3.482	33.078	1.00	37.79	B
ATOM	1826	OE2	GLU	1046	10.748	-4.943	31.594	1.00	38.13	B
ATOM	1827	C	GLU	1046	14.376	-1.294	30.730	1.00	31.03	B
ATOM	1828	O	GLU	1046	14.036	-0.259	31.303	1.00	32.17	B
ATOM	1829	N	GLU	1047	15.514	-1.417	30.043	1.00	29.76	B
ATOM	1830	CA	GLU	1047	16.482	-0.327	29.913	1.00	29.97	B
ATOM	1831	CB	GLU	1047	17.700	-0.800	29.126	1.00	31.47	B
ATOM	1832	CG	GLU	1047	18.528	-1.838	29.838	1.00	34.35	B
ATOM	1833	CD	GLU	1047	19.365	-1.250	30.955	1.00	36.62	B
ATOM	1834	OE1	GLU	1047	18.787	-0.610	31.862	1.00	39.04	B
ATOM	1835	OE2	GLU	1047	20.604	-1.430	30.927	1.00	37.61	B
ATOM	1836	C	GLU	1047	15.888	0.886	29.202	1.00	29.21	B
ATOM	1837	O	GLU	1047	15.844	1.986	29.742	1.00	30.59	B
ATOM	1838	N	ILE	1048	15.460	0.675	27.968	1.00	28.49	B
ATOM	1839	CA	ILE	1048	14.857	1.736	27.183	1.00	27.01	B
ATOM	1840	CB	ILE	1048	14.157	1.152	25.937	1.00	24.70	B
ATOM	1841	CG2	ILE	1048	13.684	2.263	25.031	1.00	22.04	B
ATOM	1842	CG1	ILE	1048	15.124	0.206	25.212	1.00	23.01	B
ATOM	1843	CD1	ILE	1048	14.500	-0.605	24.084	1.00	22.57	B
ATOM	1844	C	ILE	1048	13.841	2.435	28.074	1.00	28.22	B
ATOM	1845	O	ILE	1048	13.855	3.660	28.212	1.00	27.45	B
ATOM	1846	N	ARG	1049	12.984	1.638	28.703	1.00	29.44	B
ATOM	1847	CA	ARG	1049	11.951	2.153	29.591	1.00	32.68	B
ATOM	1848	CB	ARG	1049	11.092	0.998	30.128	1.00	35.21	B
ATOM	1849	CG	ARG	1049	9.704	1.429	30.576	1.00	34.97	B
ATOM	1850	CD	ARG	1049	9.134	0.438	31.576	1.00	39.16	B
ATOM	1851	NE	ARG	1049	7.701	0.618	31.813	1.00	39.91	B
ATOM	1852	CZ	ARG	1049	6.795	0.752	30.850	1.00	42.12	B
ATOM	1853	NH1	ARG	1049	5.515	0.908	31.156	1.00	41.51	B
ATOM	1854	NH2	ARG	1049	7.170	0.731	29.578	1.00	44.49	B
ATOM	1855	C	ARG	1049	12.526	2.954	30.761	1.00	31.23	B
ATOM	1856	O	ARG	1049	11.996	3.999	31.132	1.00	31.36	B
ATOM	1857	N	LYS	1050	13.606	2.456	31.341	1.00	30.60	B
ATOM	1858	CA	LYS	1050	14.235	3.137	32.460	1.00	30.77	B
ATOM	1859	CB	LYS	1050	15.457	2.341	32.927	1.00	29.72	B
ATOM	1860	CG	LYS	1050	16.388	3.084	33.873	1.00	30.52	B
ATOM	1861	CD	LYS	1050	17.585	2.223	34.247	1.00	29.58	B
ATOM	1862	CE	LYS	1050	17.159	1.033	35.091	1.00	28.80	B
ATOM	1863	NZ	LYS	1050	18.316	0.399	35.778	1.00	29.70	B
ATOM	1864	C	LYS	1050	14.628	4.568	32.103	1.00	30.93	B
ATOM	1865	O	LYS	1050	14.361	5.488	32.868	1.00	32.08	B
ATOM	1866	N	ILE	1051	15.260	4.771	30.948	1.00	30.46	B
ATOM	1867	CA	ILE	1051	15.670	6.107	30.509	1.00	27.98	B
ATOM	1868	CB	ILE	1051	16.198	6.089	29.053	1.00	28.31	B
ATOM	1869	CG2	ILE	1051	16.043	7.464	28.414	1.00	25.64	B
ATOM	1870	CG1	ILE	1051	17.665	5.652	29.042	1.00	24.45	B
ATOM	1871	CD1	ILE	1051	18.092	5.013	27.753	1.00	25.76	B
ATOM	1872	C	ILE	1051	14.508	7.103	30.603	1.00	26.49	B
ATOM	1873	O	ILE	1051	14.689	8.229	31.040	1.00	25.11	B
ATOM	1874	N	VAL	1052	13.332	6.687	30.142	1.00	28.11	B
ATOM	1875	CA	VAL	1052	12.128	7.519	30.160	1.00	29.87	B
ATOM	1876	CB	VAL	1052	10.925	6.776	29.522	1.00	30.15	B

Fig. 2A-32

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ATOM	1877	CG1	VAL	1052	9.625	7.417	29.963	1.00	29.45	B
ATOM	1878	CG2	VAL	1052	11.039	6.796	28.018	1.00	30.73	B
ATOM	1879	C	VAL	1052	11.760	7.876	31.588	1.00	32.04	B
ATOM	1880	O	VAL	1052	11.292	8.990	31.872	1.00	33.79	B
ATOM	1881	N	LEU	1053	11.958	6.935	32.502	1.00	32.59	B
ATOM	1882	CA	LEU	1053	11.647	7.176	33.895	1.00	33.87	B
ATOM	1883	CB	LEU	1053	11.353	5.848	34.581	1.00	31.61	B
ATOM	1884	CG	LEU	1053	10.220	4.971	34.033	1.00	29.77	B
ATOM	1885	CD1	LEU	1053	9.941	3.836	34.989	1.00	27.85	B
ATOM	1886	CD2	LEU	1053	8.976	5.797	33.821	1.00	28.12	B
ATOM	1887	C	LEU	1053	12.833	7.870	34.574	1.00	36.43	B
ATOM	1888	O	LEU	1053	12.696	8.443	35.651	1.00	36.92	B
ATOM	1889	N	GLU	1054	13.994	7.822	33.930	1.00	39.41	B
ATOM	1890	CA	GLU	1054	15.199	8.414	34.485	1.00	42.97	B
ATOM	1891	CB	GLU	1054	16.434	7.744	33.874	1.00	44.41	B
ATOM	1892	CG	GLU	1054	16.655	6.325	34.361	1.00	50.00	B
ATOM	1893	CD	GLU	1054	17.466	6.248	35.644	1.00	51.72	B
ATOM	1894	OE1	GLU	1054	18.410	7.049	35.794	1.00	55.23	B
ATOM	1895	OE2	GLU	1054	17.166	5.384	36.500	1.00	52.83	B
ATOM	1896	C	GLU	1054	15.319	9.927	34.334	1.00	44.14	B
ATOM	1897	O	GLU	1054	16.408	10.475	34.496	1.00	45.10	B
ATOM	1898	N	GLY	1055	14.227	10.612	34.026	1.00	44.89	B
ATOM	1899	CA	GLY	1055	14.324	12.055	33.888	1.00	48.37	B
ATOM	1900	C	GLY	1055	13.191	12.656	33.095	1.00	49.90	B
ATOM	1901	O	GLY	1055	13.418	13.399	32.140	1.00	51.16	B
ATOM	1902	N	ASN	1056	11.972	12.323	33.513	1.00	51.18	B
ATOM	1903	CA	ASN	1056	10.728	12.762	32.880	1.00	51.63	B
ATOM	1904	CB	ASN	1056	9.539	12.223	33.688	1.00	52.96	B
ATOM	1905	CG	ASN	1056	9.879	12.000	35.160	1.00	53.86	B
ATOM	1906	OD1	ASN	1056	9.272	11.168	35.827	1.00	54.15	B
ATOM	1907	ND2	ASN	1056	10.852	12.749	35.669	1.00	54.37	B
ATOM	1908	C	ASN	1056	10.549	14.272	32.631	1.00	51.37	B
ATOM	1909	O	ASN	1056	9.473	14.838	32.886	1.00	52.18	B
ATOM	1910	N	ASP	1057	11.609	14.908	32.132	1.00	49.97	B
ATOM	1911	CA	ASP	1057	11.615	16.326	31.780	1.00	46.40	B
ATOM	1912	CB	ASP	1057	12.759	17.086	32.461	1.00	49.32	B
ATOM	1913	CG	ASP	1057	12.792	16.903	33.967	1.00	52.86	B
ATOM	1914	OD1	ASP	1057	13.266	15.840	34.425	1.00	52.39	B
ATOM	1915	OD2	ASP	1057	12.357	17.831	34.694	1.00	54.20	B
ATOM	1916	C	ASP	1057	11.903	16.331	30.288	1.00	42.96	B
ATOM	1917	O	ASP	1057	11.955	17.383	29.658	1.00	42.35	B
ATOM	1918	N	MET	1058	12.110	15.142	29.728	1.00	38.42	B
ATOM	1919	CA	MET	1058	12.428	15.040	28.314	1.00	34.68	B
ATOM	1920	CB	MET	1058	13.087	13.678	27.979	1.00	29.43	B
ATOM	1921	CG	MET	1058	12.581	12.432	28.712	1.00	22.23	B
ATOM	1922	SD	MET	1058	13.055	10.864	27.848	1.00	8.61	B
ATOM	1923	CE	MET	1058	14.777	10.737	28.298	1.00	6.43	B
ATOM	1924	C	MET	1058	11.243	15.291	27.391	1.00	34.07	B
ATOM	1925	O	MET	1058	10.094	15.336	27.835	1.00	34.35	B
ATOM	1926	N	ASP	1059	11.555	15.474	26.107	1.00	32.30	B
ATOM	1927	CA	ASP	1059	10.579	15.712	25.046	1.00	28.97	B
ATOM	1928	CB	ASP	1059	11.321	15.844	23.713	1.00	29.72	B
ATOM	1929	CG	ASP	1059	10.447	16.384	22.613	1.00	30.37	B
ATOM	1930	OD1	ASP	1059	10.087	15.607	21.712	1.00	32.29	B
ATOM	1931	OD2	ASP	1059	10.121	17.583	22.639	1.00	33.47	B
ATOM	1932	C	ASP	1059	9.600	14.539	24.972	1.00	28.22	B
ATOM	1933	O	ASP	1059	10.001	13.383	25.162	1.00	26.20	B

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ATOM	1934	N	ILE	1060	8.323	14.815	24.698	1.00	25.40	B
ATOM	1935	CA	ILE	1060	7.364	13.725	24.615	1.00	23.86	B
ATOM	1936	CB	ILE	1060	5.889	14.191	24.730	1.00	24.13	B
ATOM	1937	CG2	ILE	1060	5.616	14.667	26.129	1.00	26.24	B
ATOM	1938	CG1	ILE	1060	5.582	15.307	23.743	1.00	25.30	B
ATOM	1939	CD1	ILE	1060	4.111	15.713	23.765	1.00	24.57	B
ATOM	1940	C	ILE	1060	7.535	12.924	23.332	1.00	22.61	B
ATOM	1941	O	ILE	1060	7.001	11.824	23.223	1.00	23.44	B
ATOM	1942	N	ARG	1061	8.273	13.461	22.363	1.00	20.99	B
ATOM	1943	CA	ARG	1061	8.503	12.720	21.124	1.00	20.45	B
ATOM	1944	CB	ARG	1061	8.998	13.630	19.994	1.00	21.03	B
ATOM	1945	CG	ARG	1061	8.020	14.738	19.613	1.00	23.60	B
ATOM	1946	CD	ARG	1061	7.910	14.928	18.108	1.00	20.80	B
ATOM	1947	NE	ARG	1061	6.589	15.426	17.759	1.00	19.01	B
ATOM	1948	CZ	ARG	1061	6.058	15.363	16.548	1.00	18.92	B
ATOM	1949	NH1	ARG	1061	6.736	14.812	15.548	1.00	18.29	B
ATOM	1950	NH2	ARG	1061	4.835	15.834	16.343	1.00	17.05	B
ATOM	1951	C	ARG	1061	9.563	11.683	21.430	1.00	18.95	B
ATOM	1952	O	ARG	1061	9.490	10.549	20.954	1.00	19.68	B
ATOM	1953	N	THR	1062	10.542	12.084	22.238	1.00	19.11	B
ATOM	1954	CA	THR	1062	11.640	11.212	22.653	1.00	18.81	B
ATOM	1955	CB	THR	1062	12.637	11.955	23.553	1.00	16.28	B
ATOM	1956	OG1	THR	1062	13.142	13.103	22.875	1.00	21.04	B
ATOM	1957	CG2	THR	1062	13.781	11.049	23.937	1.00	13.59	B
ATOM	1958	C	THR	1062	11.085	10.065	23.484	1.00	21.57	B
ATOM	1959	O	THR	1062	11.536	8.921	23.383	1.00	21.27	B
ATOM	1960	N	GLU	1063	10.119	10.416	24.330	1.00	22.15	B
ATOM	1961	CA	GLU	1063	9.452	9.489	25.231	1.00	20.15	B
ATOM	1962	CB	GLU	1063	8.513	10.284	26.136	1.00	24.67	B
ATOM	1963	CG	GLU	1063	8.038	9.539	27.362	1.00	33.22	B
ATOM	1964	CD	GLU	1063	6.633	9.953	27.776	1.00	37.24	B
ATOM	1965	OE1	GLU	1063	6.474	11.037	28.392	1.00	37.20	B
ATOM	1966	OE2	GLU	1063	5.685	9.191	27.482	1.00	38.73	B
ATOM	1967	C	GLU	1063	8.670	8.443	24.457	1.00	17.42	B
ATOM	1968	O	GLU	1063	8.753	7.252	24.740	1.00	15.48	B
ATOM	1969	N	ALA	1064	7.927	8.903	23.459	1.00	16.19	B
ATOM	1970	CA	ALA	1064	7.110	8.040	22.619	1.00	16.46	B
ATOM	1971	CB	ALA	1064	6.137	8.884	21.822	1.00	13.15	B
ATOM	1972	C	ALA	1064	7.944	7.168	21.675	1.00	18.81	B
ATOM	1973	O	ALA	1064	7.495	6.107	21.230	1.00	19.49	B
ATOM	1974	N	MET	1065	9.146	7.618	21.341	1.00	18.41	B
ATOM	1975	CA	MET	1065	10.006	6.830	20.470	1.00	18.27	B
ATOM	1976	CB	MET	1065	11.068	7.723	19.806	1.00	14.93	B
ATOM	1977	CG	MET	1065	10.536	8.527	18.598	1.00	14.02	B
ATOM	1978	SD	MET	1065	11.809	9.279	17.543	1.00	5.01	B
ATOM	1979	CE	MET	1065	12.396	10.510	18.660	1.00	5.76	B
ATOM	1980	C	MET	1065	10.654	5.777	21.348	1.00	18.42	B
ATOM	1981	O	MET	1065	10.919	4.659	20.912	1.00	18.34	B
ATOM	1982	N	LEU	1066	10.883	6.133	22.607	1.00	19.32	B
ATOM	1983	CA	LEU	1066	11.486	5.219	23.568	1.00	19.77	B
ATOM	1984	CB	LEU	1066	11.992	5.993	24.792	1.00	17.60	B
ATOM	1985	CG	LEU	1066	13.226	6.883	24.643	1.00	17.90	B
ATOM	1986	CD1	LEU	1066	13.634	7.442	26.010	1.00	19.06	B
ATOM	1987	CD2	LEU	1066	14.361	6.091	24.030	1.00	18.79	B
ATOM	1988	C	LEU	1066	10.475	4.143	24.017	1.00	21.44	B
ATOM	1989	O	LEU	1066	10.871	3.019	24.337	1.00	22.51	B
ATOM	1990	N	PHE	1067	9.186	4.491	24.058	1.00	20.56	B

Fig. 2A-34



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ATOM	1991	CA	PHE	1067	8.131	3.557	24.453	1.00	22.34	B
ATOM	1992	CB	PHE	1067	6.873	4.312	24.896	1.00	23.54	B
ATOM	1993	CG	PHE	1067	6.853	4.669	26.364	1.00	26.00	B
ATOM	1994	CD1	PHE	1067	7.151	5.961	26.779	1.00	29.26	B
ATOM	1995	CD2	PHE	1067	6.511	3.727	27.321	1.00	28.46	B
ATOM	1996	CE1	PHE	1067	7.106	6.315	28.129	1.00	31.04	B
ATOM	1997	CE2	PHE	1067	6.461	4.064	28.675	1.00	31.80	B
ATOM	1998	CZ	PHE	1067	6.762	5.367	29.078	1.00	31.72	B
ATOM	1999	C	PHE	1067	7.780	2.650	23.285	1.00	22.70	B
ATOM	2000	O	PHE	1067	7.205	1.573	23.470	1.00	24.34	B
ATOM	2001	N	ALA	1068	8.104	3.090	22.073	1.00	19.20	B
ATOM	2002	CA	ALA	1068	7.845	2.297	20.883	1.00	16.13	B
ATOM	2003	CB	ALA	1068	7.742	3.202	19.664	1.00	16.31	B
ATOM	2004	C	ALA	1068	8.985	1.297	20.724	1.00	14.28	B
ATOM	2005	O	ALA	1068	8.783	0.175	20.244	1.00	13.00	B
ATOM	2006	N	ALA	1069	10.177	1.700	21.156	1.00	11.59	B
ATOM	2007	CA	ALA	1069	11.364	0.853	21.084	1.00	12.86	B
ATOM	2008	CB	ALA	1069	12.607	1.686	21.323	1.00	8.12	B
ATOM	2009	C	ALA	1069	11.281	-0.261	22.119	1.00	13.59	B
ATOM	2010	O	ALA	1069	11.751	-1.376	21.889	1.00	14.95	B
ATOM	2011	N	SER	1070	10.690	0.043	23.272	1.00	14.90	B
ATOM	2012	CA	SER	1070	10.543	-0.923	24.360	1.00	14.47	B
ATOM	2013	CB	SER	1070	10.105	-0.217	25.631	1.00	14.87	B
ATOM	2014	OG	SER	1070	10.211	-1.078	26.744	1.00	18.20	B
ATOM	2015	C	SER	1070	9.501	-1.963	24.001	1.00	15.57	B
ATOM	2016	O	SER	1070	9.662	-3.153	24.294	1.00	15.28	B
ATOM	2017	N	ARG	1071	8.417	-1.494	23.387	1.00	16.51	B
ATOM	2018	CA	ARG	1071	7.311	-2.348	22.973	1.00	16.14	B
ATOM	2019	CB	ARG	1071	6.114	-1.514	22.497	1.00	16.49	B
ATOM	2020	CG	ARG	1071	5.236	-2.249	21.482	1.00	18.09	B
ATOM	2021	CD	ARG	1071	3.887	-1.586	21.278	1.00	19.93	B
ATOM	2022	NE	ARG	1071	3.291	-1.171	22.539	1.00	25.22	B
ATOM	2023	CZ	ARG	1071	2.844	0.056	22.768	1.00	26.85	B
ATOM	2024	NH1	ARG	1071	2.311	0.369	23.941	1.00	28.58	B
ATOM	2025	NH2	ARG	1071	2.935	0.971	21.814	1.00	29.90	B
ATOM	2026	C	ARG	1071	7.744	-3.278	21.870	1.00	17.63	B
ATOM	2027	O	ARG	1071	7.231	-4.391	21.785	1.00	20.80	B
ATOM	2028	N	ARG	1072	8.666	-2.835	21.016	1.00	16.55	B
ATOM	2029	CA	ARG	1072	9.150	-3.680	19.928	1.00	15.86	B
ATOM	2030	CB	ARG	1072	10.014	-2.886	18.951	1.00	16.65	B
ATOM	2031	CG	ARG	1072	10.874	-3.755	18.043	1.00	19.59	B
ATOM	2032	CD	ARG	1072	10.676	-3.384	16.589	1.00	22.74	B
ATOM	2033	NE	ARG	1072	11.084	-4.432	15.661	1.00	20.12	B
ATOM	2034	CZ	ARG	1072	10.235	-5.112	14.903	1.00	20.05	B
ATOM	2035	NH1	ARG	1072	10.689	-6.046	14.084	1.00	21.46	B
ATOM	2036	NH2	ARG	1072	8.933	-4.870	14.978	1.00	15.76	B
ATOM	2037	C	ARG	1072	9.975	-4.833	20.488	1.00	14.59	B
ATOM	2038	O	ARG	1072	9.792	-5.991	20.106	1.00	13.68	B
ATOM	2039	N	GLU	1073	10.883	-4.508	21.399	1.00	13.23	B
ATOM	2040	CA	GLU	1073	11.756	-5.495	22.021	1.00	13.86	B
ATOM	2041	CB	GLU	1073	12.667	-4.803	23.035	1.00	12.81	B
ATOM	2042	CG	GLU	1073	13.937	-4.196	22.437	1.00	15.67	B
ATOM	2043	CD	GLU	1073	14.840	-5.232	21.760	1.00	17.93	B
ATOM	2044	OE1	GLU	1073	15.824	-5.654	22.396	1.00	19.24	B
ATOM	2045	OE2	GLU	1073	14.580	-5.629	20.600	1.00	17.00	B
ATOM	2046	C	GLU	1073	10.919	-6.555	22.718	1.00	15.94	B
ATOM	2047	O	GLU	1073	11.237	-7.751	22.686	1.00	15.22	B

Fig. 2A-35

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ATOM	2048	N	HIS	1074	9.838	-6.099	23.342	1.00	16.16	B
ATOM	2049	CA	HIS	1074	8.947	-6.972	24.071	1.00	16.13	B
ATOM	2050	CB	HIS	1074	8.006	-6.133	24.946	1.00	13.85	B
ATOM	2051	CG	HIS	1074	6.895	-6.918	25.576	1.00	10.33	B
ATOM	2052	CD2	HIS	1074	5.631	-7.155	25.172	1.00	6.92	B
ATOM	2053	ND1	HIS	1074	7.050	-7.596	26.775	1.00	10.02	B
ATOM	2054	CE1	HIS	1074	5.919	-8.217	27.066	1.00	7.99	B
ATOM	2055	NE2	HIS	1074	5.043	-7.966	26.111	1.00	6.02	B
ATOM	2056	C	HIS	1074	8.161	-7.774	23.059	1.00	18.20	B
ATOM	2057	O	HIS	1074	7.605	-8.824	23.367	1.00	21.72	B
ATOM	2058	N	LEU	1075	8.111	-7.286	21.835	1.00	19.11	B
ATOM	2059	CA	LEU	1075	7.359	-7.975	20.805	1.00	20.30	B
ATOM	2060	CB	LEU	1075	6.979	-6.993	19.699	1.00	18.54	B
ATOM	2061	CG	LEU	1075	5.596	-7.174	19.079	1.00	18.21	B
ATOM	2062	CD1	LEU	1075	4.520	-7.218	20.166	1.00	16.64	B
ATOM	2063	CD2	LEU	1075	5.345	-6.033	18.114	1.00	14.97	B
ATOM	2064	C	LEU	1075	8.172	-9.117	20.219	1.00	22.06	B
ATOM	2065	O	LEU	1075	7.766	-10.285	20.255	1.00	22.68	B
ATOM	2066	N	VAL	1076	9.343	-8.767	19.709	1.00	22.15	B
ATOM	2067	CA	VAL	1076	10.237	-9.714	19.074	1.00	23.94	B
ATOM	2068	CB	VAL	1076	11.339	-8.940	18.302	1.00	23.36	B
ATOM	2069	CG1	VAL	1076	10.710	-8.082	17.203	1.00	23.52	B
ATOM	2070	CG2	VAL	1076	12.102	-8.048	19.257	1.00	23.44	B
ATOM	2071	C	VAL	1076	10.887	-10.737	20.017	1.00	24.30	B
ATOM	2072	O	VAL	1076	11.227	-11.850	19.602	1.00	24.68	B
ATOM	2073	N	LEU	1077	11.042	-10.375	21.284	1.00	23.35	B
ATOM	2074	CA	LEU	1077	11.681	-11.257	22.252	1.00	20.68	B
ATOM	2075	CB	LEU	1077	12.645	-10.457	23.125	1.00	21.82	B
ATOM	2076	CG	LEU	1077	13.819	-9.765	22.445	1.00	22.63	B
ATOM	2077	CD1	LEU	1077	14.448	-8.760	23.387	1.00	21.45	B
ATOM	2078	CD2	LEU	1077	14.835	-10.815	22.043	1.00	23.05	B
ATOM	2079	C	LEU	1077	10.760	-12.025	23.189	1.00	20.11	B
ATOM	2080	O	LEU	1077	11.221	-12.951	23.859	1.00	20.85	B
ATOM	2081	N	LYS	1078	9.481	-11.658	23.259	1.00	18.79	B
ATOM	2082	CA	LYS	1078	8.562	-12.310	24.192	1.00	17.09	B
ATOM	2083	CB	LYS	1078	8.347	-11.382	25.394	1.00	17.11	B
ATOM	2084	CG	LYS	1078	7.248	-11.801	26.347	1.00	16.13	B
ATOM	2085	CD	LYS	1078	7.689	-11.702	27.801	1.00	15.07	B
ATOM	2086	CE	LYS	1078	6.522	-12.048	28.712	1.00	17.01	B
ATOM	2087	NZ	LYS	1078	6.659	-11.528	30.105	1.00	14.66	B
ATOM	2088	C	LYS	1078	7.208	-12.734	23.618	1.00	17.85	B
ATOM	2089	O	LYS	1078	6.791	-13.881	23.746	1.00	16.99	B
ATOM	2090	N	VAL	1079	6.504	-11.800	23.000	1.00	18.10	B
ATOM	2091	CA	VAL	1079	5.208	-12.112	22.423	1.00	16.16	B
ATOM	2092	CB	VAL	1079	4.439	-10.811	22.084	1.00	13.64	B
ATOM	2093	CG1	VAL	1079	3.118	-11.123	21.380	1.00	12.40	B
ATOM	2094	CG2	VAL	1079	4.170	-10.040	23.368	1.00	11.59	B
ATOM	2095	C	VAL	1079	5.322	-12.994	21.178	1.00	17.11	B
ATOM	2096	O	VAL	1079	4.716	-14.075	21.113	1.00	17.94	B
ATOM	2097	N	ILE	1080	6.105	-12.551	20.198	1.00	16.62	B
ATOM	2098	CA	ILE	1080	6.249	-13.307	18.952	1.00	16.40	B
ATOM	2099	CB	ILE	1080	7.196	-12.586	17.958	1.00	15.17	B
ATOM	2100	CG2	ILE	1080	7.556	-13.511	16.794	1.00	14.75	B
ATOM	2101	CG1	ILE	1080	6.492	-11.332	17.422	1.00	12.43	B
ATOM	2102	CD1	ILE	1080	6.983	-10.869	16.068	1.00	13.32	B
ATOM	2103	C	ILE	1080	6.678	-14.763	19.165	1.00	15.24	B
ATOM	2104	O	ILE	1080	6.043	-15.672	18.640	1.00	18.99	B

Fig. 2A-36

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ATOM	2105	N	PRO	1081	7.763	-15.008	19.911	1.00	13.95	B
ATOM	2106	CD	PRO	1081	8.681	-14.049	20.550	1.00	15.20	B
ATOM	2107	CA	PRO	1081	8.174	-16.399	20.137	1.00	13.22	B
ATOM	2108	CB	PRO	1081	9.359	-16.285	21.095	1.00	11.75	B
ATOM	2109	CG	PRO	1081	9.851	-14.904	20.940	1.00	15.07	B
ATOM	2110	C	PRO	1081	7.036	-17.237	20.756	1.00	15.56	B
ATOM	2111	O	PRO	1081	6.805	-18.379	20.342	1.00	12.94	B
ATOM	2112	N	ALA	1082	6.338	-16.667	21.749	1.00	15.50	B
ATOM	2113	CA	ALA	1082	5.237	-17.355	22.437	1.00	15.31	B
ATOM	2114	CB	ALA	1082	4.767	-16.550	23.647	1.00	14.69	B
ATOM	2115	C	ALA	1082	4.075	-17.593	21.499	1.00	15.19	B
ATOM	2116	O	ALA	1082	3.269	-18.500	21.711	1.00	13.42	B
ATOM	2117	N	LEU	1083	3.975	-16.765	20.470	1.00	15.09	B
ATOM	2118	CA	LEU	1083	2.918	-16.941	19.504	1.00	15.96	B
ATOM	2119	CB	LEU	1083	2.698	-15.642	18.735	1.00	17.04	B
ATOM	2120	CG	LEU	1083	2.094	-14.482	19.541	1.00	17.77	B
ATOM	2121	CD1	LEU	1083	1.974	-13.256	18.650	1.00	14.42	B
ATOM	2122	CD2	LEU	1083	0.716	-14.880	20.082	1.00	13.47	B
ATOM	2123	C	LEU	1083	3.392	-18.072	18.582	1.00	18.13	B
ATOM	2124	O	LEU	1083	2.610	-18.924	18.169	1.00	17.94	B
ATOM	2125	N	LYS	1084	4.687	-18.101	18.282	1.00	20.06	B
ATOM	2126	CA	LYS	1084	5.240	-19.156	17.430	1.00	22.98	B
ATOM	2127	CB	LYS	1084	6.744	-18.971	17.237	1.00	23.46	B
ATOM	2128	CG	LYS	1084	7.190	-17.669	16.600	1.00	27.95	B
ATOM	2129	CD	LYS	1084	8.721	-17.601	16.635	1.00	31.73	B
ATOM	2130	CE	LYS	1084	9.269	-16.300	16.072	1.00	32.22	B
ATOM	2131	NZ	LYS	1084	10.319	-15.708	16.964	1.00	32.73	B
ATOM	2132	C	LYS	1084	5.012	-20.517	18.104	1.00	23.71	B
ATOM	2133	O	LYS	1084	5.175	-21.569	17.482	1.00	22.88	B
ATOM	2134	N	GLU	1085	4.650	-20.473	19.383	1.00	25.26	B
ATOM	2135	CA	GLU	1085	4.416	-21.667	20.191	1.00	26.48	B
ATOM	2136	CB	GLU	1085	4.922	-21.440	21.612	1.00	31.70	B
ATOM	2137	CG	GLU	1085	6.409	-21.190	21.708	1.00	37.19	B
ATOM	2138	CD	GLU	1085	7.191	-22.452	21.471	1.00	42.06	B
ATOM	2139	OE1	GLU	1085	6.608	-23.540	21.665	1.00	44.55	B
ATOM	2140	OE2	GLU	1085	8.376	-22.366	21.088	1.00	46.19	B
ATOM	2141	C	GLU	1085	2.943	-22.008	20.250	1.00	24.53	B
ATOM	2142	O	GLU	1085	2.523	-22.854	21.034	1.00	23.33	B
ATOM	2143	N	GLY	1086	2.155	-21.333	19.433	1.00	23.68	B
ATOM	2144	CA	GLY	1086	0.737	-21.606	19.427	1.00	23.95	B
ATOM	2145	C	GLY	1086	0.002	-21.032	20.615	1.00	25.01	B
ATOM	2146	O	GLY	1086	-1.221	-21.136	20.694	1.00	27.87	B
ATOM	2147	N	LYS	1087	0.716	-20.415	21.544	1.00	23.13	B
ATOM	2148	CA	LYS	1087	0.043	-19.869	22.712	1.00	20.37	B
ATOM	2149	CB	LYS	1087	1.057	-19.481	23.795	1.00	17.74	B
ATOM	2150	CG	LYS	1087	1.894	-20.656	24.282	1.00	17.34	B
ATOM	2151	CD	LYS	1087	2.411	-20.449	25.676	1.00	13.37	B
ATOM	2152	CE	LYS	1087	3.893	-20.280	25.632	1.00	12.04	B
ATOM	2153	NZ	LYS	1087	4.576	-21.530	25.976	1.00	10.91	B
ATOM	2154	C	LYS	1087	-0.794	-18.664	22.361	1.00	20.06	B
ATOM	2155	O	LYS	1087	-0.595	-18.025	21.331	1.00	19.82	B
ATOM	2156	N	VAL	1088	-1.784	-18.391	23.195	1.00	20.09	B
ATOM	2157	CA	VAL	1088	-2.582	-17.208	22.988	1.00	19.17	B
ATOM	2158	CB	VAL	1088	-4.111	-17.461	23.200	1.00	19.15	B
ATOM	2159	CG1	VAL	1088	-4.346	-18.731	23.987	1.00	17.46	B
ATOM	2160	CG2	VAL	1088	-4.752	-16.250	23.866	1.00	20.39	B
ATOM	2161	C	VAL	1088	-1.975	-16.354	24.089	1.00	19.23	B

Fig. 2A-37

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ATOM	2162	O	VAL	1088	-1.705	-16.856	25.182	1.00	16.14	B
ATOM	2163	N	VAL	1089	-1.697	-15.088	23.793	1.00	19.93	B
ATOM	2164	CA	VAL	1089	-1.090	-14.210	24.797	1.00	20.79	B
ATOM	2165	CB	VAL	1089	0.319	-13.777	24.355	1.00	20.97	B
ATOM	2166	CG1	VAL	1089	0.276	-13.315	22.931	1.00	23.46	B
ATOM	2167	CG2	VAL	1089	0.846	-12.676	25.254	1.00	21.64	B
ATOM	2168	C	VAL	1089	-1.930	-12.970	25.094	1.00	19.98	B
ATOM	2169	O	VAL	1089	-2.329	-12.233	24.185	1.00	20.42	B
ATOM	2170	N	LEU	1090	-2.206	-12.753	26.376	1.00	18.26	B
ATOM	2171	CA	LEU	1090	-2.979	-11.596	26.797	1.00	18.09	B
ATOM	2172	CB	LEU	1090	-3.869	-11.960	27.993	1.00	18.46	B
ATOM	2173	CG	LEU	1090	-4.744	-13.213	27.915	1.00	16.30	B
ATOM	2174	CD1	LEU	1090	-5.272	-13.519	29.299	1.00	18.52	B
ATOM	2175	CD2	LEU	1090	-5.911	-12.990	26.965	1.00	15.78	B
ATOM	2176	C	LEU	1090	-2.003	-10.478	27.182	1.00	17.29	B
ATOM	2177	O	LEU	1090	-1.115	-10.688	28.004	1.00	16.83	B
ATOM	2178	N	CYS	1091	-2.160	-9.307	26.567	1.00	16.59	B
ATOM	2179	CA	CYS	1091	-1.298	-8.156	26.837	1.00	19.29	B
ATOM	2180	CB	CYS	1091	-0.601	-7.734	25.547	1.00	20.03	B
ATOM	2181	SG	CYS	1091	0.892	-6.757	25.782	1.00	20.36	B
ATOM	2182	C	CYS	1091	-2.163	-7.013	27.356	1.00	20.41	B
ATOM	2183	O	CYS	1091	-3.246	-6.782	26.833	1.00	20.96	B
ATOM	2184	N	ASP	1092	-1.711	-6.293	28.378	1.00	24.12	B
ATOM	2185	CA	ASP	1092	-2.541	-5.205	28.887	1.00	29.39	B
ATOM	2186	CB	ASP	1092	-2.178	-4.840	30.324	1.00	34.06	B
ATOM	2187	CG	ASP	1092	-0.755	-5.155	30.661	1.00	40.00	B
ATOM	2188	OD1	ASP	1092	0.144	-4.853	29.835	1.00	41.99	B
ATOM	2189	OD2	ASP	1092	-0.534	-5.712	31.760	1.00	44.28	B
ATOM	2190	C	ASP	1092	-2.515	-3.946	28.044	1.00	29.23	B
ATOM	2191	O	ASP	1092	-3.547	-3.508	27.551	1.00	31.28	B
ATOM	2192	N	ARG	1093	-1.348	-3.341	27.880	1.00	30.00	B
ATOM	2193	CA	ARG	1093	-1.257	-2.115	27.093	1.00	30.03	B
ATOM	2194	CB	ARG	1093	-0.364	-1.105	27.826	1.00	33.34	B
ATOM	2195	CG	ARG	1093	-1.079	-0.336	28.937	1.00	41.29	B
ATOM	2196	CD	ARG	1093	-0.116	0.489	29.801	1.00	47.35	B
ATOM	2197	NE	ARG	1093	-0.013	-0.025	31.175	1.00	53.87	B
ATOM	2198	CZ	ARG	1093	0.070	0.731	32.271	1.00	56.53	B
ATOM	2199	NH1	ARG	1093	0.064	2.059	32.186	1.00	57.47	B
ATOM	2200	NH2	ARG	1093	0.163	0.156	33.463	1.00	57.04	B
ATOM	2201	C	ARG	1093	-0.710	-2.384	25.688	1.00	27.93	B
ATOM	2202	O	ARG	1093	0.161	-3.233	25.509	1.00	26.93	B
ATOM	2203	N	TYR	1094	-1.232	-1.676	24.690	1.00	25.26	B
ATOM	2204	CA	TYR	1094	-0.749	-1.842	23.327	1.00	23.35	B
ATOM	2205	CB	TYR	1094	-1.493	-2.967	22.595	1.00	24.45	B
ATOM	2206	CG	TYR	1094	-0.635	-3.606	21.522	1.00	23.14	B
ATOM	2207	CD1	TYR	1094	0.662	-4.029	21.815	1.00	22.25	B
ATOM	2208	CE1	TYR	1094	1.504	-4.534	20.822	1.00	22.52	B
ATOM	2209	CD2	TYR	1094	-1.086	-3.723	20.202	1.00	21.33	B
ATOM	2210	CE2	TYR	1094	-0.252	-4.230	19.197	1.00	21.33	B
ATOM	2211	CZ	TYR	1094	1.042	-4.632	19.518	1.00	23.16	B
ATOM	2212	OH	TYR	1094	1.895	-5.106	18.543	1.00	19.75	B
ATOM	2213	C	TYR	1094	-0.843	-0.551	22.526	1.00	22.64	B
ATOM	2214	O	TYR	1094	-0.866	0.524	23.106	1.00	22.16	B
ATOM	2215	N	ILE	1095	-0.899	-0.665	21.198	1.00	22.73	B
ATOM	2216	CA	ILE	1095	-0.952	0.496	20.310	1.00	23.36	B
ATOM	2217	CB	ILE	1095	-0.908	0.069	18.803	1.00	22.04	B
ATOM	2218	CG2	ILE	1095	0.313	-0.784	18.542	1.00	20.47	B

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ATOM	2219	CG1	ILE	1095	-2.166	-0.708	18.419	1.00	24.32	B
ATOM	2220	CD1	ILE	1095	-2.104	-1.401	17.034	1.00	22.17	B
ATOM	2221	C	ILE	1095	-2.118	1.469	20.523	1.00	25.34	B
ATOM	2222	O	ILE	1095	-1.920	2.682	20.429	1.00	24.72	B
ATOM	2223	N	ASP	1096	-3.316	0.962	20.814	1.00	26.58	B
ATOM	2224	CA	ASP	1096	-4.474	1.841	21.031	1.00	26.18	B
ATOM	2225	CB	ASP	1096	-5.757	1.042	21.229	1.00	29.67	B
ATOM	2226	CG	ASP	1096	-5.849	-0.128	20.301	1.00	32.52	B
ATOM	2227	OD1	ASP	1096	-5.576	0.058	19.096	1.00	37.98	B
ATOM	2228	OD2	ASP	1096	-6.190	-1.234	20.772	1.00	37.33	B
ATOM	2229	C	ASP	1096	-4.263	2.706	22.249	1.00	23.76	B
ATOM	2230	O	ASP	1096	-4.660	3.860	22.279	1.00	24.70	B
ATOM	2231	N	SER	1097	-3.646	2.134	23.266	1.00	23.24	B
ATOM	2232	CA	SER	1097	-3.371	2.881	24.478	1.00	21.75	B
ATOM	2233	CB	SER	1097	-2.771	1.935	25.516	1.00	20.27	B
ATOM	2234	OG	SER	1097	-1.729	2.562	26.240	1.00	24.66	B
ATOM	2235	C	SER	1097	-2.405	4.035	24.142	1.00	20.76	B
ATOM	2236	O	SER	1097	-2.597	5.167	24.576	1.00	19.17	B
ATOM	2237	N	SER	1098	-1.387	3.733	23.339	1.00	19.41	B
ATOM	2238	CA	SER	1098	-0.387	4.712	22.918	1.00	19.17	B
ATOM	2239	CB	SER	1098	0.614	4.055	21.970	1.00	17.07	B
ATOM	2240	OG	SER	1098	1.836	3.817	22.625	1.00	17.81	B
ATOM	2241	C	SER	1098	-0.990	5.914	22.200	1.00	19.23	B
ATOM	2242	O	SER	1098	-0.652	7.063	22.479	1.00	18.38	B
ATOM	2243	N	LEU	1099	-1.875	5.625	21.257	1.00	20.76	B
ATOM	2244	CA	LEU	1099	-2.525	6.647	20.449	1.00	23.68	B
ATOM	2245	CB	LEU	1099	-3.276	5.987	19.294	1.00	23.63	B
ATOM	2246	CG	LEU	1099	-2.491	5.883	17.993	1.00	24.34	B
ATOM	2247	CD1	LEU	1099	-2.697	4.516	17.382	1.00	28.34	B
ATOM	2248	CD2	LEU	1099	-2.957	6.962	17.046	1.00	23.80	B
ATOM	2249	C	LEU	1099	-3.487	7.546	21.207	1.00	24.50	B
ATOM	2250	O	LEU	1099	-3.527	8.748	20.972	1.00	25.84	B
ATOM	2251	N	ALA	1100	-4.272	6.956	22.100	1.00	24.60	B
ATOM	2252	CA	ALA	1100	-5.249	7.707	22.875	1.00	26.63	B
ATOM	2253	CB	ALA	1100	-6.311	6.762	23.437	1.00	24.22	B
ATOM	2254	C	ALA	1100	-4.618	8.504	24.008	1.00	27.16	B
ATOM	2255	O	ALA	1100	-5.104	9.576	24.365	1.00	28.25	B
ATOM	2256	N	TYR	1101	-3.526	7.984	24.551	1.00	28.71	B
ATOM	2257	CA	TYR	1101	-2.830	8.619	25.667	1.00	32.17	B
ATOM	2258	CB	TYR	1101	-2.132	7.552	26.499	1.00	36.69	B
ATOM	2259	CG	TYR	1101	-1.810	7.980	27.898	1.00	42.99	B
ATOM	2260	CD1	TYR	1101	-2.823	8.275	28.816	1.00	46.53	B
ATOM	2261	CE1	TYR	1101	-2.523	8.650	30.139	1.00	47.35	B
ATOM	2262	CD2	TYR	1101	-0.490	8.050	28.328	1.00	48.46	B
ATOM	2263	CE2	TYR	1101	-0.175	8.424	29.648	1.00	50.82	B
ATOM	2264	CZ	TYR	1101	-1.197	8.709	30.546	1.00	49.52	B
ATOM	2265	OH	TYR	1101	-0.883	9.050	31.841	1.00	50.80	B
ATOM	2266	C	TYR	1101	-1.808	9.669	25.266	1.00	32.14	B
ATOM	2267	O	TYR	1101	-1.622	10.664	25.971	1.00	31.26	B
ATOM	2268	N	GLN	1102	-1.148	9.441	24.134	1.00	32.67	B
ATOM	2269	CA	GLN	1102	-0.126	10.354	23.645	1.00	33.54	B
ATOM	2270	CB	GLN	1102	1.225	9.655	23.618	1.00	37.71	B
ATOM	2271	CG	GLN	1102	1.938	9.610	24.947	1.00	43.46	B
ATOM	2272	CD	GLN	1102	3.051	8.587	24.941	1.00	46.55	B
ATOM	2273	OE1	GLN	1102	4.203	8.905	24.626	1.00	47.76	B
ATOM	2274	NE2	GLN	1102	2.714	7.346	25.281	1.00	47.31	B
ATOM	2275	C	GLN	1102	-0.409	10.897	22.261	1.00	32.44	B

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ATOM	2276	O	GLN	1102	0.028	11.996	21.917	1.00	32.42	B
ATOM	2277	N	GLY	1103	-1.118	10.111	21.460	1.00	31.22	B
ATOM	2278	CA	GLY	1103	-1.435	10.542	20.116	1.00	29.67	B
ATOM	2279	C	GLY	1103	-2.639	11.447	20.168	1.00	29.68	B
ATOM	2280	O	GLY	1103	-2.980	12.096	19.187	1.00	30.37	B
ATOM	2281	N	TYR	1104	-3.289	11.476	21.325	1.00	28.58	B
ATOM	2282	CA	TYR	1104	-4.462	12.307	21.512	1.00	29.23	B
ATOM	2283	CB	TYR	1104	-5.728	11.457	21.554	1.00	30.59	B
ATOM	2284	CG	TYR	1104	-7.009	12.255	21.637	1.00	31.86	B
ATOM	2285	CD1	TYR	1104	-7.899	12.279	20.567	1.00	32.53	B
ATOM	2286	CE1	TYR	1104	-9.092	12.995	20.639	1.00	33.13	B
ATOM	2287	CD2	TYR	1104	-7.342	12.977	22.791	1.00	32.72	B
ATOM	2288	CE2	TYR	1104	-8.532	13.696	22.872	1.00	32.16	B
ATOM	2289	CZ	TYR	1104	-9.399	13.698	21.793	1.00	33.34	B
ATOM	2290	OH	TYR	1104	-10.580	14.385	21.863	1.00	37.92	B
ATOM	2291	C	TYR	1104	-4.368	13.120	22.783	1.00	29.09	B
ATOM	2292	O	TYR	1104	-4.084	14.312	22.735	1.00	30.55	B
ATOM	2293	N	ALA	1105	-4.603	12.475	23.922	1.00	28.16	B
ATOM	2294	CA	ALA	1105	-4.568	13.170	25.209	1.00	27.49	B
ATOM	2295	CB	ALA	1105	-4.724	12.193	26.336	1.00	26.93	B
ATOM	2296	C	ALA	1105	-3.311	14.002	25.421	1.00	27.61	B
ATOM	2297	O	ALA	1105	-3.292	14.903	26.251	1.00	29.03	B
ATOM	2298	N	ARG	1106	-2.245	13.687	24.706	1.00	26.93	B
ATOM	2299	CA	ARG	1106	-1.052	14.485	24.856	1.00	26.11	B
ATOM	2300	CB	ARG	1106	0.171	13.605	25.116	1.00	27.36	B
ATOM	2301	CG	ARG	1106	0.512	13.521	26.585	1.00	29.46	B
ATOM	2302	CD	ARG	1106	1.608	12.536	26.875	1.00	33.62	B
ATOM	2303	NE	ARG	1106	2.618	13.117	27.755	1.00	37.68	B
ATOM	2304	CZ	ARG	1106	3.666	12.453	28.235	1.00	38.61	B
ATOM	2305	NH1	ARG	1106	4.538	13.059	29.030	1.00	40.00	B
ATOM	2306	NH2	ARG	1106	3.844	11.183	27.920	1.00	40.54	B
ATOM	2307	C	ARG	1106	-0.874	15.351	23.631	1.00	25.76	B
ATOM	2308	O	ARG	1106	0.016	16.184	23.581	1.00	26.37	B
ATOM	2309	N	GLY	1107	-1.754	15.153	22.658	1.00	25.32	B
ATOM	2310	CA	GLY	1107	-1.727	15.945	21.454	1.00	26.25	B
ATOM	2311	C	GLY	1107	-0.520	15.858	20.547	1.00	28.41	B
ATOM	2312	O	GLY	1107	-0.138	16.860	19.953	1.00	29.44	B
ATOM	2313	N	ILE	1108	0.099	14.689	20.437	1.00	28.85	B
ATOM	2314	CA	ILE	1108	1.243	14.526	19.538	1.00	27.95	B
ATOM	2315	CB	ILE	1108	2.105	13.319	19.996	1.00	25.67	B
ATOM	2316	CG2	ILE	1108	2.966	12.790	18.852	1.00	27.61	B
ATOM	2317	CG1	ILE	1108	2.971	13.750	21.168	1.00	21.58	B
ATOM	2318	CD1	ILE	1108	3.836	12.663	21.700	1.00	19.73	B
ATOM	2319	C	ILE	1108	0.664	14.311	18.119	1.00	28.18	B
ATOM	2320	O	ILE	1108	1.328	14.502	17.090	1.00	29.06	B
ATOM	2321	N	GLY	1109	-0.613	13.949	18.086	1.00	26.80	B
ATOM	2322	CA	GLY	1109	-1.283	13.706	16.828	1.00	25.26	B
ATOM	2323	C	GLY	1109	-1.502	12.222	16.631	1.00	25.54	B
ATOM	2324	O	GLY	1109	-0.606	11.418	16.864	1.00	24.17	B
ATOM	2325	N	VAL	1110	-2.705	11.868	16.202	1.00	25.43	B
ATOM	2326	CA	VAL	1110	-3.073	10.485	15.952	1.00	26.51	B
ATOM	2327	CB	VAL	1110	-4.541	10.412	15.490	1.00	28.72	B
ATOM	2328	CG1	VAL	1110	-4.995	8.975	15.398	1.00	32.37	B
ATOM	2329	CG2	VAL	1110	-5.422	11.182	16.455	1.00	28.83	B
ATOM	2330	C	VAL	1110	-2.169	9.887	14.865	1.00	26.51	B
ATOM	2331	O	VAL	1110	-1.415	8.948	15.115	1.00	23.99	B
ATOM	2332	N	GLU	1111	-2.267	10.449	13.660	1.00	27.69	B

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ATOM	2333	CA	GLU	1111	-1.479	10.023	12.504	1.00	28.73	B
ATOM	2334	CB	GLU	1111	-1.601	11.081	11.399	1.00	32.99	B
ATOM	2335	CG	GLU	1111	-1.332	10.580	9.973	1.00	40.15	B
ATOM	2336	CD	GLU	1111	-1.430	11.689	8.910	1.00	44.62	B
ATOM	2337	OE1	GLU	1111	-2.226	12.641	9.102	1.00	45.80	B
ATOM	2338	OE2	GLU	1111	-0.709	11.607	7.883	1.00	43.93	B
ATOM	2339	C	GLU	1111	0.000	9.829	12.875	1.00	27.92	B
ATOM	2340	O	GLU	1111	0.630	8.836	12.507	1.00	26.58	B
ATOM	2341	N	GLU	1112	0.548	10.790	13.611	1.00	27.44	B
ATOM	2342	CA	GLU	1112	1.939	10.734	14.026	1.00	26.88	B
ATOM	2343	CB	GLU	1112	2.307	11.994	14.814	1.00	30.38	B
ATOM	2344	CG	GLU	1112	2.355	13.265	13.982	1.00	34.98	B
ATOM	2345	CD	GLU	1112	0.980	13.762	13.615	1.00	38.08	B
ATOM	2346	OE1	GLU	1112	0.350	13.145	12.737	1.00	41.07	B
ATOM	2347	OE2	GLU	1112	0.524	14.763	14.205	1.00	43.10	B
ATOM	2348	C	GLU	1112	2.233	9.504	14.885	1.00	24.78	B
ATOM	2349	O	GLU	1112	3.104	8.703	14.561	1.00	23.69	B
ATOM	2350	N	VAL	1113	1.498	9.364	15.982	1.00	22.58	B
ATOM	2351	CA	VAL	1113	1.696	8.244	16.898	1.00	21.00	B
ATOM	2352	CB	VAL	1113	0.834	8.431	18.173	1.00	20.77	B
ATOM	2353	CG1	VAL	1113	0.795	7.142	18.993	1.00	15.86	B
ATOM	2354	CG2	VAL	1113	1.412	9.590	19.007	1.00	17.95	B
ATOM	2355	C	VAL	1113	1.381	6.904	16.230	1.00	22.76	B
ATOM	2356	O	VAL	1113	2.094	5.923	16.426	1.00	21.29	B
ATOM	2357	N	ARG	1114	0.317	6.866	15.438	1.00	22.71	B
ATOM	2358	CA	ARG	1114	-0.061	5.642	14.755	1.00	24.17	B
ATOM	2359	CB	ARG	1114	-1.435	5.806	14.076	1.00	27.34	B
ATOM	2360	CG	ARG	1114	-1.497	5.396	12.613	1.00	29.25	B
ATOM	2361	CD	ARG	1114	-2.927	5.170	12.172	1.00	33.08	B
ATOM	2362	NE	ARG	1114	-3.163	5.657	10.815	1.00	39.60	B
ATOM	2363	CZ	ARG	1114	-4.314	5.521	10.161	1.00	42.60	B
ATOM	2364	NH1	ARG	1114	-4.447	5.996	8.924	1.00	41.67	B
ATOM	2365	NH2	ARG	1114	-5.335	4.904	10.749	1.00	45.60	B
ATOM	2366	C	ARG	1114	0.989	5.217	13.735	1.00	23.63	B
ATOM	2367	O	ARG	1114	1.049	4.055	13.366	1.00	25.12	B
ATOM	2368	N	ALA	1115	1.814	6.149	13.275	1.00	23.16	B
ATOM	2369	CA	ALA	1115	2.850	5.823	12.302	1.00	23.27	B
ATOM	2370	CB	ALA	1115	3.229	7.073	11.508	1.00	23.40	B
ATOM	2371	C	ALA	1115	4.061	5.288	13.056	1.00	22.63	B
ATOM	2372	O	ALA	1115	4.756	4.375	12.608	1.00	21.65	B
ATOM	2373	N	LEU	1116	4.326	5.875	14.209	1.00	21.69	B
ATOM	2374	CA	LEU	1116	5.450	5.428	15.009	1.00	22.66	B
ATOM	2375	CB	LEU	1116	5.637	6.380	16.195	1.00	19.73	B
ATOM	2376	CG	LEU	1116	6.623	5.994	17.291	1.00	19.15	B
ATOM	2377	CD1	LEU	1116	8.026	5.762	16.720	1.00	19.30	B
ATOM	2378	CD2	LEU	1116	6.648	7.113	18.320	1.00	19.80	B
ATOM	2379	C	LEU	1116	5.168	3.989	15.479	1.00	23.19	B
ATOM	2380	O	LEU	1116	6.087	3.180	15.638	1.00	23.89	B
ATOM	2381	N	ASN	1117	3.887	3.675	15.675	1.00	21.59	B
ATOM	2382	CA	ASN	1117	3.472	2.358	16.134	1.00	20.92	B
ATOM	2383	CB	ASN	1117	2.027	2.409	16.626	1.00	20.90	B
ATOM	2384	CG	ASN	1117	1.874	3.208	17.910	1.00	19.28	B
ATOM	2385	OD1	ASN	1117	2.670	3.074	18.844	1.00	21.02	B
ATOM	2386	ND2	ASN	1117	0.851	4.044	17.962	1.00	22.77	B
ATOM	2387	C	ASN	1117	3.616	1.290	15.067	1.00	20.73	B
ATOM	2388	O	ASN	1117	3.993	0.166	15.364	1.00	22.14	B
ATOM	2389	N	GLU	1118	3.304	1.637	13.826	1.00	22.14	B

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ATOM	2390	CA	GLU	1118	3.415	0.705	12.703	1.00	21.22	B
ATOM	2391	CB	GLU	1118	2.893	1.350	11.418	1.00	22.82	B
ATOM	2392	CG	GLU	1118	1.401	1.619	11.426	1.00	29.23	B
ATOM	2393	CD	GLU	1118	0.974	2.624	10.364	1.00	34.01	B
ATOM	2394	OE1	GLU	1118	1.864	3.207	9.705	1.00	37.19	B
ATOM	2395	OE2	GLU	1118	-0.251	2.831	10.189	1.00	35.89	B
ATOM	2396	C	GLU	1118	4.857	0.286	12.490	1.00	17.92	B
ATOM	2397	O	GLU	1118	5.126	-0.828	12.051	1.00	17.40	B
ATOM	2398	N	PHE	1119	5.779	1.191	12.797	1.00	16.29	B
ATOM	2399	CA	PHE	1119	7.198	0.921	12.633	1.00	16.74	B
ATOM	2400	CB	PHE	1119	7.987	2.235	12.687	1.00	15.46	B
ATOM	2401	CG	PHE	1119	9.425	2.101	12.269	1.00	17.12	B
ATOM	2402	CD1	PHE	1119	9.770	2.043	10.917	1.00	17.63	B
ATOM	2403	CD2	PHE	1119	10.437	2.013	13.223	1.00	16.08	B
ATOM	2404	CE1	PHE	1119	11.100	1.895	10.522	1.00	16.56	B
ATOM	2405	CE2	PHE	1119	11.778	1.864	12.835	1.00	17.38	B
ATOM	2406	CZ	PHE	1119	12.102	1.805	11.478	1.00	16.85	B
ATOM	2407	C	PHE	1119	7.661	-0.023	13.739	1.00	16.33	B
ATOM	2408	O	PHE	1119	8.508	-0.892	13.519	1.00	15.07	B
ATOM	2409	N	ALA	1120	7.081	0.157	14.922	1.00	15.89	B
ATOM	2410	CA	ALA	1120	7.406	-0.651	16.099	1.00	15.09	B
ATOM	2411	CB	ALA	1120	6.891	0.030	17.376	1.00	13.29	B
ATOM	2412	C	ALA	1120	6.836	-2.056	16.025	1.00	14.89	B
ATOM	2413	O	ALA	1120	7.513	-3.010	16.375	1.00	12.96	B
ATOM	2414	N	ILE	1121	5.590	-2.171	15.570	1.00	17.65	B
ATOM	2415	CA	ILE	1121	4.922	-3.462	15.491	1.00	18.26	B
ATOM	2416	CB	ILE	1121	3.434	-3.351	15.936	1.00	17.95	B
ATOM	2417	CG2	ILE	1121	3.337	-2.495	17.194	1.00	17.06	B
ATOM	2418	CG1	ILE	1121	2.579	-2.746	14.828	1.00	15.09	B
ATOM	2419	CD1	ILE	1121	1.134	-2.568	15.225	1.00	6.57	B
ATOM	2420	C	ILE	1121	4.988	-4.143	14.133	1.00	20.38	B
ATOM	2421	O	ILE	1121	4.519	-5.266	13.986	1.00	24.10	B
ATOM	2422	N	ASN	1122	5.568	-3.470	13.148	1.00	20.82	B
ATOM	2423	CA	ASN	1122	5.719	-4.035	11.807	1.00	21.45	B
ATOM	2424	CB	ASN	1122	7.061	-4.768	11.698	1.00	21.13	B
ATOM	2425	CG	ASN	1122	7.440	-5.078	10.271	1.00	20.27	B
ATOM	2426	OD1	ASN	1122	6.959	-4.439	9.336	1.00	21.11	B
ATOM	2427	ND2	ASN	1122	8.306	-6.062	10.092	1.00	20.05	B
ATOM	2428	C	ASN	1122	4.612	-4.990	11.381	1.00	21.69	B
ATOM	2429	O	ASN	1122	4.874	-6.151	11.071	1.00	20.30	B
ATOM	2430	N	GLY	1123	3.375	-4.509	11.383	1.00	23.81	B
ATOM	2431	CA	GLY	1123	2.263	-5.343	10.965	1.00	24.34	B
ATOM	2432	C	GLY	1123	1.588	-6.201	12.024	1.00	25.43	B
ATOM	2433	O	GLY	1123	0.440	-6.614	11.846	1.00	27.35	B
ATOM	2434	N	LEU	1124	2.268	-6.475	13.130	1.00	24.26	B
ATOM	2435	CA	LEU	1124	1.661	-7.315	14.154	1.00	23.10	B
ATOM	2436	CB	LEU	1124	2.707	-7.731	15.196	1.00	22.68	B
ATOM	2437	CG	LEU	1124	2.360	-8.859	16.183	1.00	23.66	B
ATOM	2438	CD1	LEU	1124	1.776	-10.070	15.460	1.00	21.86	B
ATOM	2439	CD2	LEU	1124	3.621	-9.238	16.945	1.00	21.50	B
ATOM	2440	C	LEU	1124	0.504	-6.599	14.830	1.00	22.00	B
ATOM	2441	O	LEU	1124	0.716	-5.765	15.697	1.00	23.01	B
ATOM	2442	N	TYR	1125	-0.717	-6.903	14.404	1.00	21.14	B
ATOM	2443	CA	TYR	1125	-1.895	-6.316	15.010	1.00	20.80	B
ATOM	2444	CB	TYR	1125	-2.886	-5.823	13.964	1.00	20.70	B
ATOM	2445	CG	TYR	1125	-2.446	-4.551	13.310	1.00	23.73	B
ATOM	2446	CD1	TYR	1125	-1.857	-4.570	12.047	1.00	23.05	B

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ATOM	2447	CE1	TYR	1125	-1.357	-3.414	11.472	1.00	24.88	B
ATOM	2448	CD2	TYR	1125	-2.535	-3.331	13.985	1.00	23.01	B
ATOM	2449	CE2	TYR	1125	-2.035	-2.161	13.418	1.00	24.99	B
ATOM	2450	CZ	TYR	1125	-1.443	-2.215	12.163	1.00	25.15	B
ATOM	2451	OH	TYR	1125	-0.907	-1.080	11.616	1.00	28.59	B
ATOM	2452	C	TYR	1125	-2.534	-7.422	15.819	1.00	22.66	B
ATOM	2453	O	TYR	1125	-2.396	-8.606	15.487	1.00	21.46	B
ATOM	2454	N	PRO	1126	-3.243	-7.050	16.904	1.00	23.29	B
ATOM	2455	CD	PRO	1126	-3.432	-5.661	17.355	1.00	24.64	B
ATOM	2456	CA	PRO	1126	-3.923	-8.001	17.792	1.00	22.02	B
ATOM	2457	CB	PRO	1126	-4.407	-7.128	18.958	1.00	22.11	B
ATOM	2458	CG	PRO	1126	-3.674	-5.817	18.826	1.00	22.45	B
ATOM	2459	C	PRO	1126	-5.078	-8.695	17.089	1.00	21.26	B
ATOM	2460	O	PRO	1126	-5.803	-8.066	16.319	1.00	21.43	B
ATOM	2461	N	ASP	1127	-5.259	-9.986	17.354	1.00	20.33	B
ATOM	2462	CA	ASP	1127	-6.351	-10.726	16.733	1.00	20.02	B
ATOM	2463	CB	ASP	1127	-6.101	-12.229	16.843	1.00	19.31	B
ATOM	2464	CG	ASP	1127	-4.741	-12.621	16.336	1.00	19.57	B
ATOM	2465	OD1	ASP	1127	-4.513	-12.526	15.111	1.00	23.88	B
ATOM	2466	OD2	ASP	1127	-3.897	-13.016	17.159	1.00	20.10	B
ATOM	2467	C	ASP	1127	-7.662	-10.347	17.408	1.00	20.62	B
ATOM	2468	O	ASP	1127	-8.730	-10.450	16.806	1.00	21.79	B
ATOM	2469	N	LEU	1128	-7.581	-9.927	18.665	1.00	18.84	B
ATOM	2470	CA	LEU	1128	-8.762	-9.493	19.397	1.00	18.05	B
ATOM	2471	CB	LEU	1128	-9.438	-10.671	20.117	1.00	17.38	B
ATOM	2472	CG	LEU	1128	-10.637	-10.276	20.999	1.00	17.18	B
ATOM	2473	CD1	LEU	1128	-11.880	-10.107	20.142	1.00	16.50	B
ATOM	2474	CD2	LEU	1128	-10.872	-11.314	22.063	1.00	12.68	B
ATOM	2475	C	LEU	1128	-8.359	-8.425	20.418	1.00	17.71	B
ATOM	2476	O	LEU	1128	-7.355	-8.576	21.133	1.00	14.55	B
ATOM	2477	N	THR	1129	-9.126	-7.337	20.464	1.00	16.59	B
ATOM	2478	CA	THR	1129	-8.846	-6.265	21.412	1.00	17.61	B
ATOM	2479	CB	THR	1129	-8.430	-4.957	20.698	1.00	16.39	B
ATOM	2480	OG1	THR	1129	-7.048	-5.041	20.327	1.00	18.55	B
ATOM	2481	CG2	THR	1129	-8.595	-3.766	21.620	1.00	14.98	B
ATOM	2482	C	THR	1129	-10.061	-6.005	22.293	1.00	18.31	B
ATOM	2483	O	THR	1129	-11.140	-5.620	21.827	1.00	16.46	B
ATOM	2484	N	ILE	1130	-9.873	-6.215	23.586	1.00	19.55	B
ATOM	2485	CA	ILE	1130	-10.949	-6.019	24.534	1.00	20.15	B
ATOM	2486	CB	ILE	1130	-10.839	-7.066	25.654	1.00	22.17	B
ATOM	2487	CG2	ILE	1130	-9.875	-6.595	26.718	1.00	25.57	B
ATOM	2488	CG1	ILE	1130	-12.222	-7.359	26.218	1.00	24.34	B
ATOM	2489	CD1	ILE	1130	-12.901	-8.558	25.553	1.00	26.77	B
ATOM	2490	C	ILE	1130	-10.920	-4.601	25.104	1.00	18.05	B
ATOM	2491	O	ILE	1130	-9.907	-4.157	25.641	1.00	15.53	B
ATOM	2492	N	TYR	1131	-12.032	-3.888	24.964	1.00	17.12	B
ATOM	2493	CA	TYR	1131	-12.111	-2.524	25.463	1.00	17.86	B
ATOM	2494	CB	TYR	1131	-12.551	-1.568	24.356	1.00	18.79	B
ATOM	2495	CG	TYR	1131	-12.617	-0.125	24.814	1.00	19.68	B
ATOM	2496	CD1	TYR	1131	-11.541	0.470	25.481	1.00	20.60	B
ATOM	2497	CE1	TYR	1131	-11.602	1.802	25.911	1.00	20.00	B
ATOM	2498	CD2	TYR	1131	-13.753	0.645	24.581	1.00	18.87	B
ATOM	2499	CE2	TYR	1131	-13.825	1.973	25.005	1.00	20.13	B
ATOM	2500	CZ	TYR	1131	-12.746	2.548	25.665	1.00	20.38	B
ATOM	2501	OH	TYR	1131	-12.815	3.864	26.074	1.00	17.75	B
ATOM	2502	C	TYR	1131	-13.044	-2.364	26.653	1.00	17.45	B
ATOM	2503	O	TYR	1131	-14.246	-2.601	26.549	1.00	19.94	B

Fig. 2A-43

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ATOM	2504	N	LEU	1132	-12.482	-1.963	27.790	1.00	16.82	B
ATOM	2505	CA	LEU	1132	-13.261	-1.749	28.996	1.00	13.12	B
ATOM	2506	CB	LEU	1132	-12.377	-1.918	30.224	1.00	13.87	B
ATOM	2507	CG	LEU	1132	-11.542	-3.196	30.156	1.00	15.01	B
ATOM	2508	CD1	LEU	1132	-10.446	-3.134	31.189	1.00	18.60	B
ATOM	2509	CD2	LEU	1132	-12.419	-4.411	30.393	1.00	15.31	B
ATOM	2510	C	LEU	1132	-13.784	-0.331	28.903	1.00	13.77	B
ATOM	2511	O	LEU	1132	-13.061	0.630	29.155	1.00	11.46	B
ATOM	2512	N	ASN	1133	-15.052	-0.218	28.528	1.00	14.83	B
ATOM	2513	CA	ASN	1133	-15.701	1.063	28.355	1.00	17.29	B
ATOM	2514	CB	ASN	1133	-16.737	0.931	27.252	1.00	18.94	B
ATOM	2515	CG	ASN	1133	-17.218	2.266	26.749	1.00	22.31	B
ATOM	2516	OD1	ASN	1133	-18.225	2.344	26.039	1.00	27.40	B
ATOM	2517	ND2	ASN	1133	-16.505	3.332	27.105	1.00	21.91	B
ATOM	2518	C	ASN	1133	-16.360	1.622	29.617	1.00	19.16	B
ATOM	2519	O	ASN	1133	-17.529	1.350	29.893	1.00	18.88	B
ATOM	2520	N	VAL	1134	-15.609	2.416	30.375	1.00	19.93	B
ATOM	2521	CA	VAL	1134	-16.124	3.014	31.600	1.00	20.22	B
ATOM	2522	CB	VAL	1134	-15.091	2.955	32.743	1.00	22.15	B
ATOM	2523	CG1	VAL	1134	-13.934	3.927	32.464	1.00	21.35	B
ATOM	2524	CG2	VAL	1134	-15.768	3.303	34.074	1.00	22.26	B
ATOM	2525	C	VAL	1134	-16.443	4.469	31.334	1.00	21.33	B
ATOM	2526	O	VAL	1134	-15.802	5.095	30.489	1.00	21.49	B
ATOM	2527	N	SER	1135	-17.429	5.013	32.047	1.00	20.39	B
ATOM	2528	CA	SER	1135	-17.790	6.412	31.866	1.00	19.99	B
ATOM	2529	CB	SER	1135	-19.236	6.671	32.309	1.00	19.66	B
ATOM	2530	OG	SER	1135	-19.427	6.372	33.679	1.00	22.61	B
ATOM	2531	C	SER	1135	-16.820	7.259	32.670	1.00	18.71	B
ATOM	2532	O	SER	1135	-16.182	6.772	33.605	1.00	20.70	B
ATOM	2533	N	ALA	1136	-16.687	8.520	32.285	1.00	17.32	B
ATOM	2534	CA	ALA	1136	-15.786	9.436	32.963	1.00	16.42	B
ATOM	2535	CB	ALA	1136	-15.887	10.826	32.325	1.00	18.19	B
ATOM	2536	C	ALA	1136	-16.137	9.506	34.446	1.00	15.94	B
ATOM	2537	O	ALA	1136	-15.260	9.468	35.308	1.00	16.12	B
ATOM	2538	N	GLU	1137	-17.425	9.602	34.750	1.00	15.49	B
ATOM	2539	CA	GLU	1137	-17.864	9.679	36.136	1.00	19.83	B
ATOM	2540	CB	GLU	1137	-19.365	9.990	36.187	1.00	23.17	B
ATOM	2541	CG	GLU	1137	-19.805	11.031	35.156	1.00	28.97	B
ATOM	2542	CD	GLU	1137	-20.434	10.396	33.920	1.00	35.10	B
ATOM	2543	OE1	GLU	1137	-19.791	10.405	32.842	1.00	34.84	B
ATOM	2544	OE2	GLU	1137	-21.576	9.881	34.030	1.00	39.15	B
ATOM	2545	C	GLU	1137	-17.538	8.406	36.941	1.00	18.07	B
ATOM	2546	O	GLU	1137	-17.012	8.497	38.051	1.00	16.02	B
ATOM	2547	N	VAL	1138	-17.847	7.228	36.394	1.00	19.27	B
ATOM	2548	CA	VAL	1138	-17.554	5.971	37.085	1.00	18.52	B
ATOM	2549	CB	VAL	1138	-18.184	4.748	36.389	1.00	19.37	B
ATOM	2550	CG1	VAL	1138	-17.651	3.457	37.028	1.00	13.33	B
ATOM	2551	CG2	VAL	1138	-19.704	4.817	36.486	1.00	20.40	B
ATOM	2552	C	VAL	1138	-16.052	5.780	37.076	1.00	19.77	B
ATOM	2553	O	VAL	1138	-15.479	5.282	38.039	1.00	20.61	B
ATOM	2554	N	GLY	1139	-15.416	6.168	35.974	1.00	21.06	B
ATOM	2555	CA	GLY	1139	-13.971	6.059	35.877	1.00	20.35	B
ATOM	2556	C	GLY	1139	-13.301	6.852	36.990	1.00	20.15	B
ATOM	2557	O	GLY	1139	-12.312	6.414	37.572	1.00	20.37	B
ATOM	2558	N	ARG	1140	-13.861	8.017	37.298	1.00	20.21	B
ATOM	2559	CA	ARG	1140	-13.346	8.896	38.350	1.00	22.43	B
ATOM	2560	CB	ARG	1140	-14.053	10.259	38.235	1.00	20.13	B

**Fig. 2A-44**

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ATOM	2561	CG	ARG	1140	-13.556	11.340	39.202	1.00	22.94	B
ATOM	2562	CD	ARG	1140	-14.684	12.235	39.739	1.00	20.22	B
ATOM	2563	NE	ARG	1140	-15.681	12.546	38.723	1.00	17.64	B
ATOM	2564	CZ	ARG	1140	-16.985	12.361	38.873	1.00	17.31	B
ATOM	2565	NH1	ARG	1140	-17.464	11.859	40.004	1.00	17.85	B
ATOM	2566	NH2	ARG	1140	-17.813	12.686	37.891	1.00	16.17	B
ATOM	2567	C	ARG	1140	-13.517	8.307	39.777	1.00	23.64	B
ATOM	2568	O	ARG	1140	-12.574	8.289	40.586	1.00	22.06	B
ATOM	2569	N	GLU	1141	-14.717	7.812	40.068	1.00	24.14	B
ATOM	2570	CA	GLU	1141	-15.024	7.242	41.374	1.00	24.75	B
ATOM	2571	CB	GLU	1141	-16.515	6.969	41.470	1.00	22.97	B
ATOM	2572	CG	GLU	1141	-17.347	8.221	41.315	1.00	27.60	B
ATOM	2573	CD	GLU	1141	-17.062	9.248	42.401	1.00	30.88	B
ATOM	2574	OE1	GLU	1141	-16.549	8.855	43.473	1.00	33.55	B
ATOM	2575	OE2	GLU	1141	-17.347	10.448	42.193	1.00	31.14	B
ATOM	2576	C	GLU	1141	-14.253	5.981	41.708	1.00	25.69	B
ATOM	2577	O	GLU	1141	-13.948	5.730	42.873	1.00	28.51	B
ATOM	2578	N	ARG	1142	-13.939	5.182	40.698	1.00	25.82	B
ATOM	2579	CA	ARG	1142	-13.192	3.952	40.927	1.00	26.19	B
ATOM	2580	CB	ARG	1142	-13.144	3.122	39.638	1.00	26.22	B
ATOM	2581	CG	ARG	1142	-13.794	1.755	39.795	1.00	25.35	B
ATOM	2582	CD	ARG	1142	-13.757	0.924	38.527	1.00	21.26	B
ATOM	2583	NE	ARG	1142	-15.010	0.197	38.377	1.00	18.77	B
ATOM	2584	CZ	ARG	1142	-15.589	-0.051	37.210	1.00	18.03	B
ATOM	2585	NH1	ARG	1142	-16.734	-0.717	37.166	1.00	16.76	B
ATOM	2586	NH2	ARG	1142	-15.015	0.361	36.089	1.00	18.02	B
ATOM	2587	C	ARG	1142	-11.776	4.242	41.428	1.00	26.05	B
ATOM	2588	O	ARG	1142	-11.274	3.543	42.311	1.00	26.26	B
ATOM	2589	N	ILE	1143	-11.149	5.278	40.867	1.00	25.61	B
ATOM	2590	CA	ILE	1143	-9.796	5.692	41.248	1.00	26.53	B
ATOM	2591	CB	ILE	1143	-9.282	6.804	40.322	1.00	24.83	B
ATOM	2592	CG2	ILE	1143	-8.182	7.584	41.013	1.00	24.32	B
ATOM	2593	CG1	ILE	1143	-8.783	6.200	39.006	1.00	24.83	B
ATOM	2594	CD1	ILE	1143	-9.255	6.944	37.758	1.00	20.76	B
ATOM	2595	C	ILE	1143	-9.766	6.232	42.684	1.00	28.39	B
ATOM	2596	O	ILE	1143	-8.823	5.989	43.440	1.00	28.02	B
ATOM	2597	N	ILE	1144	-10.800	6.983	43.040	1.00	29.81	B
ATOM	2598	CA	ILE	1144	-10.913	7.556	44.372	1.00	31.98	B
ATOM	2599	CB	ILE	1144	-11.593	8.948	44.299	1.00	33.00	B
ATOM	2600	CG2	ILE	1144	-13.086	8.821	44.546	1.00	34.57	B
ATOM	2601	CG1	ILE	1144	-10.970	9.889	45.326	1.00	34.56	B
ATOM	2602	CD1	ILE	1144	-9.885	10.798	44.760	1.00	36.28	B
ATOM	2603	C	ILE	1144	-11.718	6.628	45.296	1.00	31.48	B
ATOM	2604	O	ILE	1144	-11.327	5.482	45.551	1.00	32.67	B
ATOM	2605	N	GLN	1155	-8.229	18.229	42.196	1.00	60.55	B
ATOM	2606	CA	GLN	1155	-7.582	17.663	41.021	1.00	60.30	B
ATOM	2607	CB	GLN	1155	-8.084	16.233	40.768	1.00	63.31	B
ATOM	2608	CG	GLN	1155	-8.108	15.325	42.008	1.00	69.16	B
ATOM	2609	CD	GLN	1155	-6.713	14.929	42.502	1.00	73.40	B
ATOM	2610	OE1	GLN	1155	-6.573	14.133	43.443	1.00	74.63	B
ATOM	2611	NE2	GLN	1155	-5.677	15.484	41.870	1.00	75.02	B
ATOM	2612	C	GLN	1155	-7.835	18.520	39.784	1.00	58.58	B
ATOM	2613	O	GLN	1155	-6.895	19.052	39.189	1.00	58.70	B
ATOM	2614	N	GLU	1156	-9.107	18.658	39.408	1.00	56.35	B
ATOM	2615	CA	GLU	1156	-9.493	19.431	38.225	1.00	54.17	B
ATOM	2616	CB	GLU	1156	-9.286	20.929	38.460	1.00	54.85	B
ATOM	2617	CG	GLU	1156	-10.533	21.648	38.936	1.00	54.77	B

**Fig. 2A-45**

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ATOM	2618	CD	GLU	1156	-11.119	21.003	40.172	1.00	55.73	B
ATOM	2619	OE1	GLU	1156	-10.771	21.441	41.291	1.00	56.94	B
ATOM	2620	OE2	GLU	1156	-11.920	20.054	40.024	1.00	56.37	B
ATOM	2621	C	GLU	1156	-8.649	18.966	37.047	1.00	52.69	B
ATOM	2622	O	GLU	1156	-8.608	19.597	35.988	1.00	51.58	B
ATOM	2623	N	ASP	1157	-7.983	17.837	37.262	1.00	51.79	B
ATOM	2624	CA	ASP	1157	-7.114	17.208	36.282	1.00	49.12	B
ATOM	2625	CB	ASP	1157	-6.082	16.351	37.011	1.00	49.00	B
ATOM	2626	CG	ASP	1157	-4.973	15.892	36.109	1.00	49.78	B
ATOM	2627	OD1	ASP	1157	-4.036	15.226	36.603	1.00	51.42	B
ATOM	2628	OD2	ASP	1157	-5.042	16.205	34.904	1.00	50.10	B
ATOM	2629	C	ASP	1157	-7.951	16.331	35.362	1.00	46.67	B
ATOM	2630	O	ASP	1157	-7.500	15.913	34.297	1.00	45.76	B
ATOM	2631	N	LEU	1158	-9.180	16.067	35.797	1.00	43.63	B
ATOM	2632	CA	LEU	1158	-10.122	15.242	35.055	1.00	41.40	B
ATOM	2633	CB	LEU	1158	-11.512	15.353	35.690	1.00	41.39	B
ATOM	2634	CG	LEU	1158	-11.577	15.579	37.207	1.00	40.74	B
ATOM	2635	CD1	LEU	1158	-12.740	16.491	37.536	1.00	41.01	B
ATOM	2636	CD2	LEU	1158	-11.738	14.252	37.922	1.00	38.87	B
ATOM	2637	C	LEU	1158	-10.187	15.607	33.570	1.00	40.29	B
ATOM	2638	O	LEU	1158	-10.740	14.856	32.764	1.00	40.06	B
ATOM	2639	N	LYS	1159	-9.626	16.761	33.215	1.00	39.05	B
ATOM	2640	CA	LYS	1159	-9.606	17.204	31.825	1.00	38.47	B
ATOM	2641	CB	LYS	1159	-8.943	18.579	31.695	1.00	39.88	B
ATOM	2642	CG	LYS	1159	-9.437	19.644	32.658	1.00	39.66	B
ATOM	2643	CD	LYS	1159	-8.272	20.483	33.184	1.00	41.01	B
ATOM	2644	CE	LYS	1159	-8.177	21.836	32.481	1.00	41.48	B
ATOM	2645	NZ	LYS	1159	-6.763	22.300	32.330	1.00	41.35	B
ATOM	2646	C	LYS	1159	-8.828	16.204	30.965	1.00	37.36	B
ATOM	2647	O	LYS	1159	-9.218	15.910	29.839	1.00	35.09	B
ATOM	2648	N	PHE	1160	-7.720	15.692	31.499	1.00	37.28	B
ATOM	2649	CA	PHE	1160	-6.894	14.715	30.777	1.00	38.90	B
ATOM	2650	CB	PHE	1160	-5.510	14.597	31.439	1.00	38.09	B
ATOM	2651	CG	PHE	1160	-4.518	13.784	30.645	1.00	36.01	B
ATOM	2652	CD1	PHE	1160	-4.578	12.393	30.641	1.00	36.33	B
ATOM	2653	CD2	PHE	1160	-3.507	14.405	29.921	1.00	34.39	B
ATOM	2654	CE1	PHE	1160	-3.644	11.629	29.921	1.00	36.12	B
ATOM	2655	CE2	PHE	1160	-2.566	13.649	29.197	1.00	33.39	B
ATOM	2656	CZ	PHE	1160	-2.635	12.259	29.202	1.00	33.20	B
ATOM	2657	C	PHE	1160	-7.566	13.340	30.733	1.00	39.12	B
ATOM	2658	O	PHE	1160	-7.609	12.693	29.689	1.00	38.57	B
ATOM	2659	N	HIS	1161	-8.071	12.893	31.880	1.00	40.93	B
ATOM	2660	CA	HIS	1161	-8.766	11.610	31.983	1.00	41.61	B
ATOM	2661	CB	HIS	1161	-9.323	11.435	33.403	1.00	45.12	B
ATOM	2662	CG	HIS	1161	-10.034	10.134	33.624	1.00	49.19	B
ATOM	2663	CD2	HIS	1161	-9.568	8.913	33.972	1.00	50.72	B
ATOM	2664	ND1	HIS	1161	-11.406	10.005	33.517	1.00	50.59	B
ATOM	2665	CE1	HIS	1161	-11.748	8.756	33.791	1.00	51.49	B
ATOM	2666	NE2	HIS	1161	-10.653	8.075	34.070	1.00	50.42	B
ATOM	2667	C	HIS	1161	-9.909	11.615	30.966	1.00	40.25	B
ATOM	2668	O	HIS	1161	-10.120	10.649	30.224	1.00	39.65	B
ATOM	2669	N	GLU	1162	-10.648	12.712	30.941	1.00	36.77	B
ATOM	2670	CA	GLU	1162	-11.736	12.835	30.005	1.00	35.45	B
ATOM	2671	CB	GLU	1162	-12.542	14.087	30.316	1.00	37.95	B
ATOM	2672	CG	GLU	1162	-13.880	14.129	29.629	1.00	44.08	B
ATOM	2673	CD	GLU	1162	-14.816	15.150	30.249	1.00	48.30	B
ATOM	2674	OE1	GLU	1162	-14.312	16.152	30.801	1.00	49.51	B

**Fig. 2A-46**

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ATOM	2675	OE2	GLU	1162	-16.052	14.954	30.186	1.00	50.60	B
ATOM	2676	C	GLU	1162	-11.161	12.908	28.590	1.00	33.86	B
ATOM	2677	O	GLU	1162	-11.866	12.649	27.614	1.00	32.85	B
ATOM	2678	N	LYS	1163	-9.881	13.260	28.481	1.00	31.94	B
ATOM	2679	CA	LYS	1163	-9.222	13.364	27.176	1.00	31.73	B
ATOM	2680	CB	LYS	1163	-7.893	14.115	27.282	1.00	32.90	B
ATOM	2681	CG	LYS	1163	-7.950	15.612	27.073	1.00	34.32	B
ATOM	2682	CD	LYS	1163	-6.901	16.253	27.969	1.00	38.71	B
ATOM	2683	CE	LYS	1163	-7.052	17.760	28.089	1.00	39.61	B
ATOM	2684	NZ	LYS	1163	-5.774	18.375	28.577	1.00	39.38	B
ATOM	2685	C	LYS	1163	-8.935	11.991	26.585	1.00	29.67	B
ATOM	2686	O	LYS	1163	-9.203	11.746	25.411	1.00	30.23	B
ATOM	2687	N	VAL	1164	-8.365	11.106	27.397	1.00	27.87	B
ATOM	2688	CA	VAL	1164	-8.038	9.762	26.946	1.00	27.20	B
ATOM	2689	CB	VAL	1164	-7.331	8.968	28.054	1.00	26.82	B
ATOM	2690	CG1	VAL	1164	-6.748	7.686	27.472	1.00	28.40	B
ATOM	2691	CG2	VAL	1164	-6.230	9.826	28.684	1.00	24.86	B
ATOM	2692	C	VAL	1164	-9.296	9.021	26.513	1.00	28.73	B
ATOM	2693	O	VAL	1164	-9.333	8.439	25.432	1.00	26.76	B
ATOM	2694	N	ILE	1165	-10.332	9.064	27.354	1.00	31.31	B
ATOM	2695	CA	ILE	1165	-11.603	8.399	27.058	1.00	31.66	B
ATOM	2696	CB	ILE	1165	-12.667	8.687	28.145	1.00	32.11	B
ATOM	2697	CG2	ILE	1165	-14.013	8.082	27.733	1.00	30.75	B
ATOM	2698	CG1	ILE	1165	-12.220	8.098	29.486	1.00	31.53	B
ATOM	2699	CD1	ILE	1165	-13.181	8.374	30.633	1.00	31.11	B
ATOM	2700	C	ILE	1165	-12.174	8.820	25.706	1.00	32.95	B
ATOM	2701	O	ILE	1165	-12.857	8.036	25.051	1.00	34.16	B
ATOM	2702	N	GLU	1166	-11.922	10.059	25.297	1.00	34.96	B
ATOM	2703	CA	GLU	1166	-12.418	10.512	24.005	1.00	35.90	B
ATOM	2704	CB	GLU	1166	-12.439	12.042	23.911	1.00	40.19	B
ATOM	2705	CG	GLU	1166	-13.254	12.540	22.718	1.00	48.35	B
ATOM	2706	CD	GLU	1166	-13.408	14.054	22.670	1.00	53.25	B
ATOM	2707	OE1	GLU	1166	-13.548	14.678	23.746	1.00	56.10	B
ATOM	2708	OE2	GLU	1166	-13.395	14.621	21.553	1.00	54.50	B
ATOM	2709	C	GLU	1166	-11.528	9.936	22.908	1.00	34.58	B
ATOM	2710	O	GLU	1166	-11.974	9.748	21.777	1.00	35.86	B
ATOM	2711	N	GLY	1167	-10.270	9.654	23.248	1.00	33.49	B
ATOM	2712	CA	GLY	1167	-9.347	9.076	22.279	1.00	29.33	B
ATOM	2713	C	GLY	1167	-9.755	7.646	21.953	1.00	28.37	B
ATOM	2714	O	GLY	1167	-9.763	7.225	20.787	1.00	27.68	B
ATOM	2715	N	TYR	1168	-10.115	6.905	22.999	1.00	26.42	B
ATOM	2716	CA	TYR	1168	-10.549	5.522	22.878	1.00	23.05	B
ATOM	2717	CB	TYR	1168	-10.635	4.886	24.266	1.00	19.40	B
ATOM	2718	CG	TYR	1168	-9.325	4.333	24.804	1.00	17.64	B
ATOM	2719	CD1	TYR	1168	-8.857	4.689	26.070	1.00	15.43	B
ATOM	2720	CE1	TYR	1168	-7.686	4.132	26.590	1.00	12.34	B
ATOM	2721	CD2	TYR	1168	-8.576	3.410	24.067	1.00	18.04	B
ATOM	2722	CE2	TYR	1168	-7.396	2.848	24.587	1.00	15.67	B
ATOM	2723	CZ	TYR	1168	-6.965	3.212	25.847	1.00	11.37	B
ATOM	2724	OH	TYR	1168	-5.836	2.624	26.369	1.00	11.10	B
ATOM	2725	C	TYR	1168	-11.916	5.465	22.200	1.00	24.16	B
ATOM	2726	O	TYR	1168	-12.147	4.637	21.317	1.00	25.88	B
ATOM	2727	N	GLN	1169	-12.819	6.352	22.617	1.00	24.30	B
ATOM	2728	CA	GLN	1169	-14.169	6.409	22.056	1.00	25.80	B
ATOM	2729	CB	GLN	1169	-15.003	7.482	22.769	1.00	28.84	B
ATOM	2730	CG	GLN	1169	-15.561	7.074	24.138	1.00	32.63	B
ATOM	2731	CD	GLN	1169	-16.011	5.622	24.190	1.00	33.87	B

**Fig. 2A-47**

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ATOM	2732	OE1	GLN	1169	-15.583	4.849	25.051	1.00	35.90	B
ATOM	2733	NE2	GLN	1169	-16.876	5.244	23.262	1.00	38.23	B
ATOM	2734	C	GLN	1169	-14.118	6.723	20.572	1.00	25.68	B
ATOM	2735	O	GLN	1169	-13.233	7.452	20.114	1.00	27.45	B
ATOM	2736	N	PHE	1179	-12.329	-5.199	17.978	1.00	31.48	B
ATOM	2737	CA	PHE	1179	-12.665	-4.453	19.207	1.00	33.93	B
ATOM	2738	CB	PHE	1179	-12.948	-2.982	18.891	1.00	32.21	B
ATOM	2739	CG	PHE	1179	-11.709	-2.184	18.648	1.00	32.23	B
ATOM	2740	CD1	PHE	1179	-11.266	-1.953	17.354	1.00	31.20	B
ATOM	2741	CD2	PHE	1179	-10.941	-1.733	19.720	1.00	31.42	B
ATOM	2742	CE1	PHE	1179	-10.076	-1.291	17.129	1.00	32.53	B
ATOM	2743	CE2	PHE	1179	-9.749	-1.070	19.505	1.00	29.40	B
ATOM	2744	CZ	PHE	1179	-9.312	-0.849	18.213	1.00	32.25	B
ATOM	2745	C	PHE	1179	-13.860	-5.029	19.939	1.00	33.62	B
ATOM	2746	O	PHE	1179	-14.970	-5.073	19.415	1.00	37.56	B
ATOM	2747	N	LYS	1180	-13.636	-5.463	21.163	1.00	31.85	B
ATOM	2748	CA	LYS	1180	-14.724	-6.001	21.936	1.00	32.44	B
ATOM	2749	CB	LYS	1180	-14.402	-7.386	22.472	1.00	32.29	B
ATOM	2750	CG	LYS	1180	-14.173	-8.419	21.395	1.00	32.85	B
ATOM	2751	CD	LYS	1180	-15.306	-8.408	20.400	1.00	34.11	B
ATOM	2752	CE	LYS	1180	-15.377	-9.731	19.653	1.00	38.27	B
ATOM	2753	NZ	LYS	1180	-16.742	-10.036	19.117	1.00	38.28	B
ATOM	2754	C	LYS	1180	-14.897	-5.041	23.063	1.00	32.57	B
ATOM	2755	O	LYS	1180	-14.092	-5.005	23.993	1.00	35.10	B
ATOM	2756	N	SER	1181	-15.934	-4.229	22.965	1.00	32.74	B
ATOM	2757	CA	SER	1181	-16.187	-3.252	24.003	1.00	33.42	B
ATOM	2758	CB	SER	1181	-16.910	-2.045	23.421	1.00	36.08	B
ATOM	2759	OG	SER	1181	-17.803	-2.468	22.401	1.00	41.17	B
ATOM	2760	C	SER	1181	-17.030	-3.888	25.084	1.00	31.49	B
ATOM	2761	O	SER	1181	-18.041	-4.539	24.810	1.00	30.03	B
ATOM	2762	N	VAL	1182	-16.590	-3.720	26.318	1.00	30.24	B
ATOM	2763	CA	VAL	1182	-17.319	-4.255	27.441	1.00	29.79	B
ATOM	2764	CB	VAL	1182	-16.457	-5.254	28.222	1.00	28.87	B
ATOM	2765	CG1	VAL	1182	-15.334	-4.534	28.908	1.00	30.82	B
ATOM	2766	CG2	VAL	1182	-17.303	-5.996	29.221	1.00	30.09	B
ATOM	2767	C	VAL	1182	-17.673	-3.048	28.302	1.00	30.76	B
ATOM	2768	O	VAL	1182	-16.949	-2.035	28.293	1.00	30.66	B
ATOM	2769	N	ASN	1183	-18.800	-3.145	29.008	1.00	29.22	B
ATOM	2770	CA	ASN	1183	-19.266	-2.068	29.873	1.00	26.49	B
ATOM	2771	CB	ASN	1183	-20.751	-2.241	30.171	1.00	25.97	B
ATOM	2772	CG	ASN	1183	-21.287	-1.154	31.058	1.00	25.94	B
ATOM	2773	OD1	ASN	1183	-20.631	-0.139	31.265	1.00	26.14	B
ATOM	2774	ND2	ASN	1183	-22.485	-1.356	31.595	1.00	26.47	B
ATOM	2775	C	ASN	1183	-18.488	-2.059	31.178	1.00	25.98	B
ATOM	2776	O	ASN	1183	-18.706	-2.897	32.051	1.00	25.60	B
ATOM	2777	N	ALA	1184	-17.589	-1.095	31.318	1.00	25.72	B
ATOM	2778	CA	ALA	1184	-16.775	-1.010	32.516	1.00	25.10	B
ATOM	2779	CB	ALA	1184	-15.465	-0.289	32.198	1.00	23.98	B
ATOM	2780	C	ALA	1184	-17.497	-0.322	33.672	1.00	24.83	B
ATOM	2781	O	ALA	1184	-16.919	-0.131	34.743	1.00	23.64	B
ATOM	2782	N	ASP	1185	-18.762	0.045	33.464	1.00	24.08	B
ATOM	2783	CA	ASP	1185	-19.557	0.719	34.502	1.00	25.60	B
ATOM	2784	CB	ASP	1185	-20.621	1.600	33.855	1.00	24.94	B
ATOM	2785	CG	ASP	1185	-20.064	2.925	33.385	1.00	26.22	B
ATOM	2786	OD1	ASP	1185	-20.733	3.594	32.574	1.00	26.83	B
ATOM	2787	OD2	ASP	1185	-18.957	3.305	33.830	1.00	26.39	B
ATOM	2788	C	ASP	1185	-20.231	-0.201	35.522	1.00	26.43	B

Fig. 2A-48

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ATOM	2789	O	ASP	1185	-20.378	0.168	36.687	1.00	27.46	B
ATOM	2790	N	GLN	1186	-20.655	-1.385	35.089	1.00	26.01	B
ATOM	2791	CA	GLN	1186	-21.287	-2.326	35.998	1.00	24.85	B
ATOM	2792	CB	GLN	1186	-21.920	-3.492	35.230	1.00	25.72	B
ATOM	2793	CG	GLN	1186	-21.002	-4.238	34.305	1.00	25.02	B
ATOM	2794	CD	GLN	1186	-21.762	-5.094	33.307	1.00	25.24	B
ATOM	2795	OE1	GLN	1186	-21.660	-4.895	32.097	1.00	24.55	B
ATOM	2796	NE2	GLN	1186	-22.529	-6.049	33.810	1.00	21.95	B
ATOM	2797	C	GLN	1186	-20.200	-2.811	36.951	1.00	24.39	B
ATOM	2798	O	GLN	1186	-19.017	-2.538	36.751	1.00	26.09	B
ATOM	2799	N	PRO	1187	-20.584	-3.532	38.014	1.00	23.92	B
ATOM	2800	CD	PRO	1187	-21.959	-3.913	38.341	1.00	21.29	B
ATOM	2801	CA	PRO	1187	-19.621	-4.040	39.004	1.00	22.56	B
ATOM	2802	CB	PRO	1187	-20.507	-4.780	40.004	1.00	24.86	B
ATOM	2803	CG	PRO	1187	-21.872	-4.199	39.803	1.00	24.58	B
ATOM	2804	C	PRO	1187	-18.529	-4.932	38.415	1.00	22.14	B
ATOM	2805	O	PRO	1187	-18.747	-5.649	37.443	1.00	20.75	B
ATOM	2806	N	LEU	1188	-17.346	-4.891	39.012	1.00	22.47	B
ATOM	2807	CA	LEU	1188	-16.236	-5.682	38.512	1.00	26.58	B
ATOM	2808	CB	LEU	1188	-15.041	-5.586	39.461	1.00	26.72	B
ATOM	2809	CG	LEU	1188	-13.977	-4.539	39.089	1.00	28.86	B
ATOM	2810	CD1	LEU	1188	-14.552	-3.425	38.218	1.00	25.89	B
ATOM	2811	CD2	LEU	1188	-13.416	-3.965	40.367	1.00	28.88	B
ATOM	2812	C	LEU	1188	-16.584	-7.139	38.251	1.00	27.85	B
ATOM	2813	O	LEU	1188	-16.168	-7.702	37.238	1.00	27.37	B
ATOM	2814	N	GLU	1189	-17.348	-7.745	39.155	1.00	30.54	B
ATOM	2815	CA	GLU	1189	-17.745	-9.146	38.982	1.00	32.92	B
ATOM	2816	CB	GLU	1189	-18.879	-9.516	39.942	1.00	37.08	B
ATOM	2817	CG	GLU	1189	-20.198	-9.905	39.233	1.00	41.54	B
ATOM	2818	CD	GLU	1189	-21.133	-10.748	40.083	1.00	44.57	B
ATOM	2819	OE1	GLU	1189	-20.742	-11.169	41.192	1.00	45.60	B
ATOM	2820	OE2	GLU	1189	-22.267	-10.991	39.627	1.00	45.52	B
ATOM	2821	C	GLU	1189	-18.261	-9.321	37.562	1.00	31.70	B
ATOM	2822	O	GLU	1189	-17.941	-10.292	36.881	1.00	31.65	B
ATOM	2823	N	ASN	1190	-19.043	-8.346	37.117	1.00	31.80	B
ATOM	2824	CA	ASN	1190	-19.644	-8.367	35.792	1.00	33.64	B
ATOM	2825	CB	ASN	1190	-20.749	-7.319	35.715	1.00	35.17	B
ATOM	2826	CG	ASN	1190	-21.913	-7.611	36.651	1.00	36.90	B
ATOM	2827	OD1	ASN	1190	-23.064	-7.640	36.229	1.00	40.73	B
ATOM	2828	ND2	ASN	1190	-21.616	-7.820	37.928	1.00	34.96	B
ATOM	2829	C	ASN	1190	-18.602	-8.107	34.701	1.00	33.70	B
ATOM	2830	O	ASN	1190	-18.513	-8.865	33.725	1.00	35.35	B
ATOM	2831	N	VAL	1191	-17.852	-7.015	34.841	1.00	30.81	B
ATOM	2832	CA	VAL	1191	-16.831	-6.687	33.858	1.00	29.71	B
ATOM	2833	CB	VAL	1191	-15.849	-5.626	34.427	1.00	28.83	B
ATOM	2834	CG1	VAL	1191	-14.845	-5.216	33.363	1.00	27.90	B
ATOM	2835	CG2	VAL	1191	-16.621	-4.432	34.938	1.00	25.92	B
ATOM	2836	C	VAL	1191	-16.052	-7.972	33.515	1.00	29.17	B
ATOM	2837	O	VAL	1191	-15.827	-8.269	32.341	1.00	28.36	B
ATOM	2838	N	VAL	1192	-15.708	-8.751	34.545	1.00	29.21	B
ATOM	2839	CA	VAL	1192	-14.972	-9.992	34.359	1.00	30.67	B
ATOM	2840	CB	VAL	1192	-14.608	-10.684	35.687	1.00	30.86	B
ATOM	2841	CG1	VAL	1192	-13.608	-11.776	35.425	1.00	30.14	B
ATOM	2842	CG2	VAL	1192	-14.062	-9.699	36.671	1.00	30.01	B
ATOM	2843	C	VAL	1192	-15.748	-11.009	33.546	1.00	32.39	B
ATOM	2844	O	VAL	1192	-15.434	-11.256	32.379	1.00	30.84	B
ATOM	2845	N	GLU	1193	-16.779	-11.582	34.168	1.00	33.20	B

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ATOM	2846	CA	GLU	1193	-17.592	-12.590	33.483	1.00	36.11	B
ATOM	2847	CB	GLU	1193	-18.878	-12.866	34.295	1.00	38.61	B
ATOM	2848	CG	GLU	1193	-20.023	-11.850	34.197	1.00	43.09	B
ATOM	2849	CD	GLU	1193	-21.244	-12.230	35.071	1.00	46.41	B
ATOM	2850	OE1	GLU	1193	-21.158	-13.179	35.889	1.00	47.71	B
ATOM	2851	OE2	GLU	1193	-22.294	-11.569	34.929	1.00	45.13	B
ATOM	2852	C	GLU	1193	-17.924	-12.145	32.053	1.00	36.07	B
ATOM	2853	O	GLU	1193	-17.712	-12.889	31.100	1.00	34.08	B
ATOM	2854	N	ASP	1194	-18.386	-10.894	31.927	1.00	36.37	B
ATOM	2855	CA	ASP	1194	-18.737	-10.338	30.625	1.00	36.05	B
ATOM	2856	CB	ASP	1194	-19.166	-8.890	30.768	1.00	37.45	B
ATOM	2857	CG	ASP	1194	-20.659	-8.745	30.859	1.00	38.47	B
ATOM	2858	OD1	ASP	1194	-21.333	-9.773	31.093	1.00	38.77	B
ATOM	2859	OD2	ASP	1194	-21.178	-7.629	30.677	1.00	39.84	B
ATOM	2860	C	ASP	1194	-17.562	-10.410	29.640	1.00	35.69	B
ATOM	2861	O	ASP	1194	-17.722	-10.689	28.453	1.00	34.25	B
ATOM	2862	N	THR	1195	-16.380	-10.120	30.153	1.00	36.50	B
ATOM	2863	CA	THR	1195	-15.166	-10.119	29.342	1.00	37.76	B
ATOM	2864	CB	THR	1195	-14.098	-9.222	30.032	1.00	35.13	B
ATOM	2865	OG1	THR	1195	-13.181	-8.705	29.061	1.00	37.19	B
ATOM	2866	CG2	THR	1195	-13.326	-9.992	31.071	1.00	35.27	B
ATOM	2867	C	THR	1195	-14.675	-11.568	29.142	1.00	39.18	B
ATOM	2868	O	THR	1195	-13.952	-11.872	28.181	1.00	37.71	B
ATOM	2869	N	TYR	1196	-15.124	-12.464	30.024	1.00	40.59	B
ATOM	2870	CA	TYR	1196	-14.739	-13.847	29.898	1.00	41.26	B
ATOM	2871	CB	TYR	1196	-15.030	-14.601	31.202	1.00	46.57	B
ATOM	2872	CG	TYR	1196	-14.757	-16.094	31.143	1.00	52.95	B
ATOM	2873	CD1	TYR	1196	-13.447	-16.582	31.188	1.00	55.25	B
ATOM	2874	CE1	TYR	1196	-13.187	-17.945	31.149	1.00	57.82	B
ATOM	2875	CD2	TYR	1196	-15.806	-17.020	31.052	1.00	55.50	B
ATOM	2876	CE2	TYR	1196	-15.552	-18.395	31.013	1.00	57.72	B
ATOM	2877	CZ	TYR	1196	-14.244	-18.849	31.062	1.00	59.11	B
ATOM	2878	OH	TYR	1196	-14.020	-20.213	31.048	1.00	61.94	B
ATOM	2879	C	TYR	1196	-15.507	-14.472	28.742	1.00	39.80	B
ATOM	2880	O	TYR	1196	-14.917	-15.122	27.881	1.00	40.25	B
ATOM	2881	N	GLN	1197	-16.825	-14.280	28.752	1.00	37.01	B
ATOM	2882	CA	GLN	1197	-17.693	-14.812	27.716	1.00	35.43	B
ATOM	2883	CB	GLN	1197	-19.105	-14.229	27.870	1.00	35.57	B
ATOM	2884	CG	GLN	1197	-20.091	-15.064	28.659	1.00	38.57	B
ATOM	2885	CD	GLN	1197	-19.537	-16.421	29.043	1.00	39.93	B
ATOM	2886	OE1	GLN	1197	-19.363	-16.717	30.225	1.00	37.74	B
ATOM	2887	NE2	GLN	1197	-19.247	-17.255	28.038	1.00	40.37	B
ATOM	2888	C	GLN	1197	-17.144	-14.413	26.349	1.00	34.68	B
ATOM	2889	O	GLN	1197	-17.065	-15.221	25.414	1.00	34.93	B
ATOM	2890	N	THR	1198	-16.760	-13.145	26.255	1.00	32.88	B
ATOM	2891	CA	THR	1198	-16.224	-12.563	25.042	1.00	31.28	B
ATOM	2892	CB	THR	1198	-15.828	-11.089	25.303	1.00	31.80	B
ATOM	2893	OG1	THR	1198	-16.977	-10.367	25.770	1.00	28.67	B
ATOM	2894	CG2	THR	1198	-15.297	-10.447	24.022	1.00	29.57	B
ATOM	2895	C	THR	1198	-15.013	-13.284	24.437	1.00	31.47	B
ATOM	2896	O	THR	1198	-15.052	-13.732	23.292	1.00	29.62	B
ATOM	2897	N	ILE	1199	-13.937	-13.358	25.221	1.00	31.74	B
ATOM	2898	CA	ILE	1199	-12.691	-13.987	24.779	1.00	31.50	B
ATOM	2899	CB	ILE	1199	-11.608	-13.884	25.867	1.00	28.68	B
ATOM	2900	CG2	ILE	1199	-10.394	-14.698	25.462	1.00	24.35	B
ATOM	2901	CG1	ILE	1199	-11.239	-12.407	26.075	1.00	26.34	B
ATOM	2902	CD1	ILE	1199	-10.226	-12.146	27.180	1.00	22.42	B

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ATOM	2903	C	ILE	1199	-12.873	-15.447	24.417	1.00	33.68	B
ATOM	2904	O	ILE	1199	-12.325	-15.922	23.419	1.00	34.49	B
ATOM	2905	N	ILE	1200	-13.654	-16.145	25.236	1.00	35.59	B
ATOM	2906	CA	ILE	1200	-13.972	-17.555	25.068	1.00	35.35	B
ATOM	2907	CB	ILE	1200	-14.802	-18.059	26.284	1.00	36.60	B
ATOM	2908	CG2	ILE	1200	-15.963	-18.944	25.837	1.00	37.79	B
ATOM	2909	CG1	ILE	1200	-13.868	-18.770	27.269	1.00	37.10	B
ATOM	2910	CD1	ILE	1200	-14.489	-19.944	27.979	1.00	39.41	B
ATOM	2911	C	ILE	1200	-14.775	-17.774	23.780	1.00	35.54	B
ATOM	2912	O	ILE	1200	-14.559	-18.744	23.062	1.00	34.48	B
ATOM	2913	N	LYS	1201	-15.704	-16.864	23.506	1.00	35.83	B
ATOM	2914	CA	LYS	1201	-16.552	-16.955	22.320	1.00	36.57	B
ATOM	2915	CB	LYS	1201	-17.631	-15.873	22.366	1.00	40.26	B
ATOM	2916	CG	LYS	1201	-18.825	-16.155	21.466	1.00	45.75	B
ATOM	2917	CD	LYS	1201	-18.917	-15.129	20.351	1.00	48.41	B
ATOM	2918	CE	LYS	1201	-20.107	-14.210	20.558	1.00	51.56	B
ATOM	2919	NZ	LYS	1201	-20.231	-13.181	19.489	1.00	53.59	B
ATOM	2920	C	LYS	1201	-15.748	-16.789	21.049	1.00	34.21	B
ATOM	2921	O	LYS	1201	-16.084	-17.351	20.012	1.00	35.71	B
ATOM	2922	N	TYR	1202	-14.684	-16.005	21.139	1.00	32.69	B
ATOM	2923	CA	TYR	1202	-13.813	-15.737	20.004	1.00	32.06	B
ATOM	2924	CB	TYR	1202	-13.059	-14.429	20.249	1.00	32.04	B
ATOM	2925	CG	TYR	1202	-11.845	-14.249	19.386	1.00	33.32	B
ATOM	2926	CD1	TYR	1202	-11.967	-13.778	18.080	1.00	34.25	B
ATOM	2927	CE1	TYR	1202	-10.858	-13.579	17.284	1.00	35.32	B
ATOM	2928	CD2	TYR	1202	-10.570	-14.520	19.874	1.00	33.61	B
ATOM	2929	CE2	TYR	1202	-9.446	-14.323	19.080	1.00	34.04	B
ATOM	2930	CZ	TYR	1202	-9.604	-13.851	17.790	1.00	34.45	B
ATOM	2931	OH	TYR	1202	-8.517	-13.627	16.994	1.00	38.43	B
ATOM	2932	C	TYR	1202	-12.825	-16.873	19.807	1.00	30.13	B
ATOM	2933	O	TYR	1202	-12.571	-17.308	18.681	1.00	29.33	B
ATOM	2934	N	LEU	1203	-12.269	-17.331	20.922	1.00	30.06	B
ATOM	2935	CA	LEU	1203	-11.295	-18.409	20.944	1.00	31.23	B
ATOM	2936	CB	LEU	1203	-10.823	-18.641	22.370	1.00	29.49	B
ATOM	2937	CG	LEU	1203	-9.648	-17.820	22.877	1.00	29.98	B
ATOM	2938	CD1	LEU	1203	-9.356	-18.234	24.301	1.00	30.87	B
ATOM	2939	CD2	LEU	1203	-8.435	-18.036	21.984	1.00	29.77	B
ATOM	2940	C	LEU	1203	-11.920	-19.686	20.428	1.00	35.15	B
ATOM	2941	O	LEU	1203	-11.222	-20.656	20.137	1.00	37.00	B
ATOM	2942	N	GLU	1205	-13.240	-19.688	20.313	1.00	38.14	B
ATOM	2943	CA	GLU	1205	-13.936	-20.870	19.847	1.00	40.88	B
ATOM	2944	CB	GLU	1205	-15.268	-21.024	20.592	1.00	41.71	B
ATOM	2945	CG	GLU	1205	-15.246	-22.049	21.733	1.00	42.35	B
ATOM	2946	CD	GLU	1205	-13.858	-22.268	22.326	1.00	45.00	B
ATOM	2947	OE1	GLU	1205	-12.876	-22.379	21.559	1.00	47.85	B
ATOM	2948	OE2	GLU	1205	-13.740	-22.340	23.569	1.00	44.55	B
ATOM	2949	C	GLU	1205	-14.160	-20.896	18.349	1.00	42.03	B
ATOM	2950	O	GLU	1205	-13.956	-21.930	17.714	1.00	44.70	B
ATOM	2951	N	LYS	1206	-14.561	-19.767	17.777	1.00	42.26	B
ATOM	2952	CA	LYS	1206	-14.815	-19.707	16.342	1.00	44.68	B
ATOM	2953	CB	LYS	1206	-15.556	-18.415	15.993	1.00	45.87	B
ATOM	2954	CG	LYS	1206	-14.690	-17.175	15.956	1.00	48.60	B
ATOM	2955	CD	LYS	1206	-15.559	-15.945	15.734	1.00	51.09	B
ATOM	2956	CE	LYS	1206	-14.744	-14.717	15.329	1.00	51.76	B
ATOM	2957	NZ	LYS	1206	-15.638	-13.582	14.948	1.00	50.73	B
ATOM	2958	C	LYS	1206	-13.549	-19.827	15.496	1.00	45.15	B
ATOM	2959	O	LYS	1206	-13.613	-19.785	14.268	1.00	45.03	B

Fig. 2A-51

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ATOM	2960	N	ILE	1207	-12.408	-19.983	16.161	1.00	45.64	B
ATOM	2961	CA	ILE	1207	-11.135	-20.119	15.477	1.00	46.49	B
ATOM	2962	CB	ILE	1207	-10.142	-19.011	15.934	1.00	44.67	B
ATOM	2963	CG2	ILE	1207	-10.858	-17.668	15.945	1.00	42.99	B
ATOM	2964	CG1	ILE	1207	-9.578	-19.319	17.326	1.00	43.35	B
ATOM	2965	CD1	ILE	1207	-8.372	-18.477	17.695	1.00	40.56	B
ATOM	2966	C	ILE	1207	-10.546	-21.505	15.731	1.00	49.19	B
ATOM	2967	O	ILE	1207	-9.765	-22.004	14.926	1.00	50.69	B
ATOM	2968	N	ARG	1208	-10.933	-22.126	16.847	1.00	51.37	B
ATOM	2969	CA	ARG	1208	-10.446	-23.455	17.199	1.00	53.73	B
ATOM	2970	CB	ARG	1208	-9.957	-23.495	18.653	1.00	55.52	B
ATOM	2971	CG	ARG	1208	-9.969	-24.896	19.281	1.00	58.37	B
ATOM	2972	CD	ARG	1208	-8.666	-25.619	19.007	1.00	61.49	B
ATOM	2973	NE	ARG	1208	-8.248	-26.502	20.100	1.00	65.11	B
ATOM	2974	CZ	ARG	1208	-7.068	-27.113	20.161	1.00	66.79	B
ATOM	2975	NH1	ARG	1208	-6.188	-26.934	19.185	1.00	67.81	B
ATOM	2976	NH2	ARG	1208	-6.779	-27.892	21.189	1.00	68.01	B
ATOM	2977	C	ARG	1208	-11.576	-24.452	17.011	1.00	53.91	B
ATOM	2978	O	ARG	1208	-11.642	-25.123	15.983	1.00	55.37	B
ATOM	2979	OH2	TIP3	500	37.299	9.800	4.044	1.00	37.63	
ATOM	2980	OH2	TIP3	501	38.757	11.999	6.275	1.00	18.09	
ATOM	2981	OH2	TIP3	502	43.991	17.954	3.473	1.00	33.76	
ATOM	2982	OH2	TIP3	504	39.230	32.411	4.691	1.00	46.51	
ATOM	2983	OH2	TIP3	506	34.991	22.293	17.555	1.00	23.59	
ATOM	2984	OH2	TIP3	507	22.200	9.651	16.956	1.00	17.69	
ATOM	2985	OH2	TIP3	508	30.284	17.100	19.446	1.00	25.84	
ATOM	2986	OH2	TIP3	509	15.592	-7.199	18.885	1.00	43.65	
ATOM	2987	OH2	TIP3	510	20.407	15.347	15.916	1.00	27.65	
ATOM	2988	OH2	TIP3	511	13.022	4.354	-2.732	1.00	57.50	
ATOM	2989	OH2	TIP3	512	16.001	-1.210	0.176	1.00	58.45	
ATOM	2990	OH2	TIP3	513	4.718	11.821	7.123	1.00	47.25	
ATOM	2991	OH2	TIP3	514	16.004	24.440	9.316	1.00	35.29	
ATOM	2992	OH2	TIP3	515	29.581	9.912	-8.341	1.00	6.39	
ATOM	2993	OH2	TIP3	516	30.422	4.262	-7.153	1.00	28.66	
ATOM	2994	OH2	TIP3	517	30.100	3.080	-11.171	1.00	58.91	
ATOM	2995	OH2	TIP3	518	20.652	1.190	-1.526	1.00	25.86	
ATOM	2996	OH2	TIP3	519	27.470	2.321	-5.485	1.00	26.21	
ATOM	2997	OH2	TIP3	523	-4.307	-2.443	21.738	1.00	28.13	
ATOM	2998	OH2	TIP3	525	-0.578	17.057	27.555	1.00	32.90	
ATOM	2999	OH2	TIP3	526	34.800	9.578	5.796	1.00	23.73	
ATOM	3000	OH2	TIP3	528	32.545	23.778	17.866	1.00	33.02	
ATOM	3001	OH2	TIP3	529	42.307	23.527	4.997	1.00	44.19	
ATOM	3002	OH2	TIP3	530	31.702	29.905	17.688	1.00	36.41	
ATOM	3003	OH2	TIP3	534	14.238	16.302	26.327	1.00	27.51	
ATOM	3004	OH2	TIP3	535	21.111	36.027	17.890	1.00	35.07	
ATOM	3005	OH2	TIP3	536	17.977	16.366	3.734	1.00	29.01	
ATOM	3006	OH2	TIP3	537	29.610	5.124	8.888	1.00	45.45	
ATOM	3007	OH2	TIP3	538	17.608	-3.137	0.196	1.00	45.25	
ATOM	3008	OH2	TIP3	539	5.670	8.591	4.143	1.00	41.64	
ATOM	3009	OH2	TIP3	541	4.763	4.486	9.124	1.00	39.02	
ATOM	3010	OH2	TIP3	542	8.207	22.430	10.831	1.00	42.81	
ATOM	3011	OH2	TIP3	543	15.118	25.044	5.498	1.00	44.03	
ATOM	3012	OH2	TIP3	544	29.511	10.901	-10.894	1.00	39.37	
ATOM	3013	OH2	TIP3	545	32.473	0.324	-8.592	1.00	36.37	
ATOM	3014	OH2	TIP3	546	35.074	-1.173	-5.291	1.00	24.33	
ATOM	3015	OH2	TIP3	547	32.326	-0.577	-3.088	1.00	45.29	
ATOM	3016	OH2	TIP3	548	19.617	5.436	-6.168	1.00	46.42	

Fig. 2A-52

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ATOM	3017	OH2	TIP3	549	20.033	20.993	-6.648	1.00	39.08
ATOM	3018	OH2	TIP3	550	-3.453	1.470	29.166	1.00	46.16
ATOM	3019	OH2	TIP3	551	-4.477	5.600	29.363	1.00	34.99
ATOM	3020	OH2	TIP3	552	-4.228	8.184	33.673	1.00	45.37
ATOM	3021	OH2	TIP3	553	-6.701	7.382	31.744	1.00	15.89
ATOM	3022	OH2	TIP3	555	-8.152	-2.024	38.723	1.00	21.23
ATOM	3023	OH2	TIP3	556	-13.500	-25.737	34.079	1.00	48.67
ATOM	3024	OH2	TIP3	559	-10.134	-25.678	25.889	1.00	48.31
ATOM	3025	OH2	TIP3	560	-8.075	-25.536	25.083	1.00	19.62
ATOM	3026	OH2	TIP3	561	2.026	-2.806	31.857	1.00	34.40
ATOM	3027	OH2	TIP3	562	17.564	-4.763	32.466	1.00	56.19
ATOM	3028	OH2	TIP3	563	16.014	-4.510	34.331	1.00	51.79
ATOM	3029	OH2	TIP3	564	22.698	-1.920	32.205	1.00	34.66
ATOM	3030	OH2	TIP3	565	6.193	0.377	25.948	1.00	30.51
ATOM	3031	OH2	TIP3	566	6.755	-7.498	14.265	1.00	26.46
ATOM	3032	OH2	TIP3	567	1.159	2.146	26.648	1.00	26.02
ATOM	3033	OH2	TIP3	568	3.360	5.021	24.458	1.00	20.23
ATOM	3034	OH2	TIP3	569	2.353	9.146	28.496	1.00	46.71
ATOM	3035	OH2	TIP3	571	-1.621	-8.543	11.899	1.00	45.04
ATOM	3036	OH2	TIP3	572	-15.832	13.292	36.051	1.00	26.43
ATOM	3037	OH2	TIP3	573	36.096	-11.625	0.873	1.00	20.21
ATOM	3038	OH2	TIP3	576	20.930	29.693	13.526	1.00	36.88
ATOM	3039	OH2	TIP3	577	22.942	32.471	10.116	1.00	37.73
ATOM	3040	OH2	TIP3	578	26.535	34.202	11.511	1.00	50.93
ATOM	3041	OH2	TIP3	580	26.238	7.756	10.835	1.00	35.53
ATOM	3042	OH2	TIP3	581	42.136	22.290	9.682	1.00	46.17
ATOM	3043	OH2	TIP3	582	36.988	16.971	14.090	1.00	31.07
ATOM	3044	OH2	TIP3	583	28.113	36.253	3.573	1.00	54.01
ATOM	3045	OH2	TIP3	584	31.114	17.563	14.487	1.00	23.74
ATOM	3046	OH2	TIP3	585	29.930	11.882	22.432	1.00	39.39
ATOM	3047	OH2	TIP3	586	28.627	12.210	21.660	1.00	37.51
ATOM	3048	OH2	TIP3	587	23.901	8.564	11.019	1.00	31.49
ATOM	3049	OH2	TIP3	588	26.166	9.035	14.316	1.00	47.93
ATOM	3050	OH2	TIP3	589	13.746	-6.969	11.794	1.00	55.03
ATOM	3051	OH2	TIP3	590	17.630	-7.544	12.406	1.00	37.89
ATOM	3052	OH2	TIP3	591	20.379	-7.909	11.148	1.00	27.40
ATOM	3053	OH2	TIP3	593	9.372	-8.416	13.073	1.00	30.57
ATOM	3054	OH2	TIP3	594	6.333	-9.001	12.346	1.00	63.81
ATOM	3055	OH2	TIP3	595	5.699	-11.256	12.667	1.00	39.51
ATOM	3056	OH2	TIP3	597	24.424	28.208	26.490	1.00	55.07
ATOM	3057	OH2	TIP3	600	4.580	4.584	4.718	1.00	43.48
ATOM	3058	OH2	TIP3	601	0.937	7.387	3.853	1.00	57.97
ATOM	3059	OH2	TIP3	602	2.347	14.978	3.868	1.00	45.22
ATOM	3060	OH2	TIP3	603	-0.560	17.052	3.729	1.00	54.60
ATOM	3061	OH2	TIP3	604	3.900	0.613	5.622	1.00	33.60
ATOM	3062	OH2	TIP3	605	16.846	6.390	12.858	1.00	25.87
ATOM	3063	OH2	TIP3	606	10.203	21.845	15.440	1.00	57.58
ATOM	3064	OH2	TIP3	608	33.992	4.807	-11.888	1.00	55.76
ATOM	3065	OH2	TIP3	609	32.088	4.063	-9.902	1.00	37.25
ATOM	3066	OH2	TIP3	610	43.957	6.928	-0.002	1.00	28.91
ATOM	3067	OH2	TIP3	611	25.495	-6.170	1.847	1.00	53.33
ATOM	3068	OH2	TIP3	612	32.114	-3.720	-5.524	1.00	48.53
ATOM	3069	OH2	TIP3	613	31.027	-6.231	-3.996	1.00	23.87
ATOM	3070	OH2	TIP3	614	28.507	-3.477	-8.300	1.00	44.33
ATOM	3071	OH2	TIP3	616	31.457	-3.669	-10.371	1.00	29.92
ATOM	3072	OH2	TIP3	618	19.484	0.314	-4.176	1.00	52.01
ATOM	3073	OH2	TIP3	619	21.084	11.361	-7.754	1.00	32.35

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ATOM	3074	OH2	TIP3	624	29.179	16.414	-8.147	1.00	23.12
ATOM	3075	OH2	TIP3	625	28.217	18.152	-11.615	1.00	24.45
ATOM	3076	OH2	TIP3	626	-2.622	11.332	34.963	1.00	43.49
ATOM	3077	OH2	TIP3	628	1.007	9.633	37.642	1.00	37.19
ATOM	3078	OH2	TIP3	629	1.744	7.361	39.889	1.00	61.00
ATOM	3079	OH2	TIP3	630	-9.712	0.515	37.881	1.00	31.55
ATOM	3080	OH2	TIP3	631	-10.217	-1.307	39.597	1.00	26.46
ATOM	3081	OH2	TIP3	632	-4.602	0.555	35.049	1.00	46.29
ATOM	3082	OH2	TIP3	633	0.406	-24.863	30.031	1.00	49.55
ATOM	3083	OH2	TIP3	634	4.937	-5.021	23.436	1.00	21.54
ATOM	3084	OH2	TIP3	635	14.511	-7.526	33.274	1.00	42.67
ATOM	3085	OH2	TIP3	636	17.764	-3.257	23.832	1.00	30.58
ATOM	3086	OH2	TIP3	637	10.575	-1.130	33.912	1.00	48.46
ATOM	3087	OH2	TIP3	638	5.491	-0.955	33.749	1.00	49.13
ATOM	3088	OH2	TIP3	639	15.500	15.224	27.892	1.00	41.51
ATOM	3089	OH2	TIP3	641	9.121	11.477	29.216	1.00	41.58
ATOM	3090	OH2	TIP3	642	18.087	-7.427	21.130	1.00	44.59
ATOM	3091	OH2	TIP3	643	13.139	-9.763	14.592	1.00	39.50
ATOM	3092	OH2	TIP3	644	8.471	-15.955	24.889	1.00	29.03
ATOM	3093	OH2	TIP3	645	8.918	-19.436	19.269	1.00	58.43
ATOM	3094	OH2	TIP3	646	8.317	-22.468	17.407	1.00	37.35
ATOM	3095	OH2	TIP3	647	2.242	-22.822	16.942	1.00	37.73
ATOM	3096	OH2	TIP3	648	4.341	-22.047	14.464	1.00	48.23
ATOM	3097	OH2	TIP3	649	2.958	-19.447	13.642	1.00	33.18
ATOM	3098	OH2	TIP3	650	1.353	-25.194	20.926	1.00	51.00
ATOM	3099	OH2	TIP3	651	-1.696	19.824	23.109	1.00	58.49
ATOM	3100	OH2	TIP3	653	1.940	14.682	9.762	1.00	18.10
ATOM	3101	OH2	TIP3	655	6.226	4.362	10.276	1.00	38.36
ATOM	3102	OH2	TIP3	656	6.059	-1.930	9.076	1.00	26.19
ATOM	3103	OH2	TIP3	657	-1.695	-11.127	14.091	1.00	50.53
ATOM	3104	OH2	TIP3	659	-0.293	-13.734	8.678	1.00	37.60
ATOM	3105	OH2	TIP3	661	-16.640	6.818	28.144	1.00	25.26
ATOM	3106	OH2	TIP3	662	-17.931	9.011	30.213	1.00	47.61
ATOM	3107	OH2	TIP3	664	-17.949	13.378	32.218	1.00	36.07
ATOM	3108	OH2	TIP3	665	-7.012	2.947	44.264	1.00	47.20
ATOM	3109	OH2	TIP3	666	-8.590	20.473	43.414	1.00	42.81
ATOM	3110	OH2	TIP3	667	-11.271	24.339	41.537	1.00	53.87
ATOM	3111	OH2	TIP3	668	-11.938	26.641	38.313	1.00	40.91
ATOM	3112	OH2	TIP3	669	-6.115	22.520	38.617	1.00	49.06
ATOM	3113	OH2	TIP3	670	-5.432	22.073	41.400	1.00	33.81
ATOM	3114	OH2	TIP3	671	-5.894	24.658	41.524	1.00	48.57
ATOM	3115	OH2	TIP3	672	-5.968	27.317	39.288	1.00	62.04
ATOM	3116	OH2	TIP3	675	-10.916	17.235	28.973	1.00	19.60
ATOM	3117	OH2	TIP3	676	-12.687	17.611	29.928	1.00	44.23
ATOM	3118	OH2	TIP3	677	-12.376	14.997	26.011	1.00	25.27
ATOM	3119	OH2	TIP3	678	-15.982	11.048	22.910	1.00	36.08
ATOM	3120	OH2	TIP3	679	-15.130	-12.373	21.294	1.00	31.35
ATOM	3121	OH2	TIP3	680	-24.525	-2.963	29.740	1.00	53.82
ATOM	3122	OH2	TIP3	681	-24.281	-7.362	32.226	1.00	46.22
ATOM	3123	OH2	TIP3	682	-25.785	-7.204	29.606	1.00	40.17
ATOM	3124	OH2	TIP3	683	-16.683	-3.185	41.795	1.00	24.03
ATOM	3125	OH2	TIP3	701	12.857	31.019	7.364	1.00	54.16
ATOM	3126	OH2	TIP3	702	37.640	5.709	5.316	1.00	52.52
ATOM	3127	OH2	TIP3	705	19.919	-7.084	13.950	1.00	54.40
ATOM	3128	OH2	TIP3	706	22.605	19.970	26.417	1.00	47.37
ATOM	3129	OH2	TIP3	707	24.320	21.898	25.471	1.00	55.75
ATOM	3130	OH2	TIP3	708	21.853	18.372	29.036	1.00	36.22

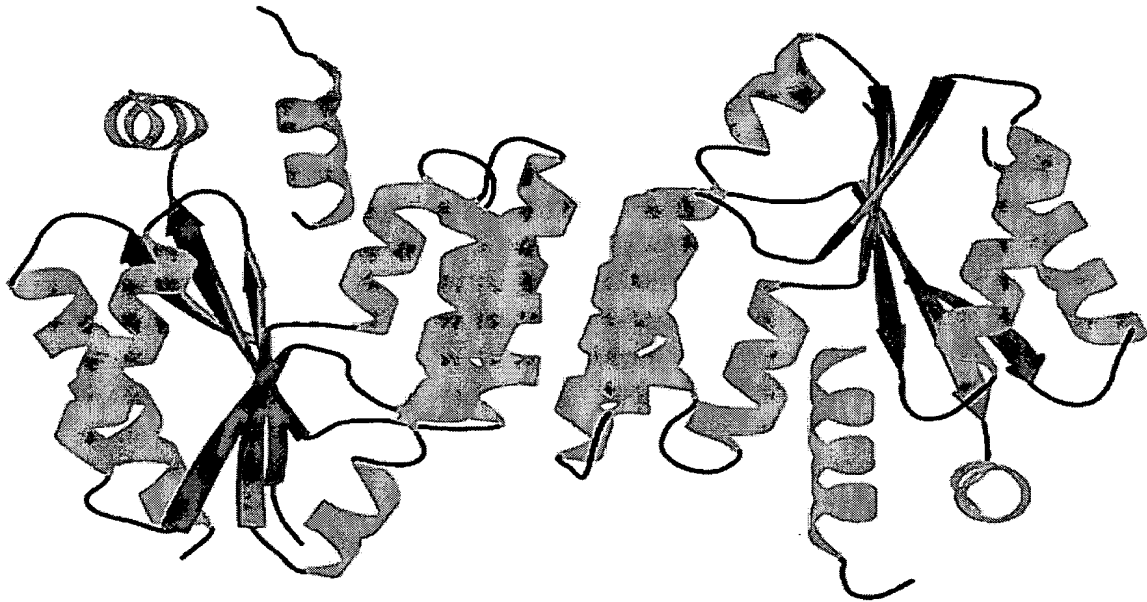
**Fig. 2A-54**

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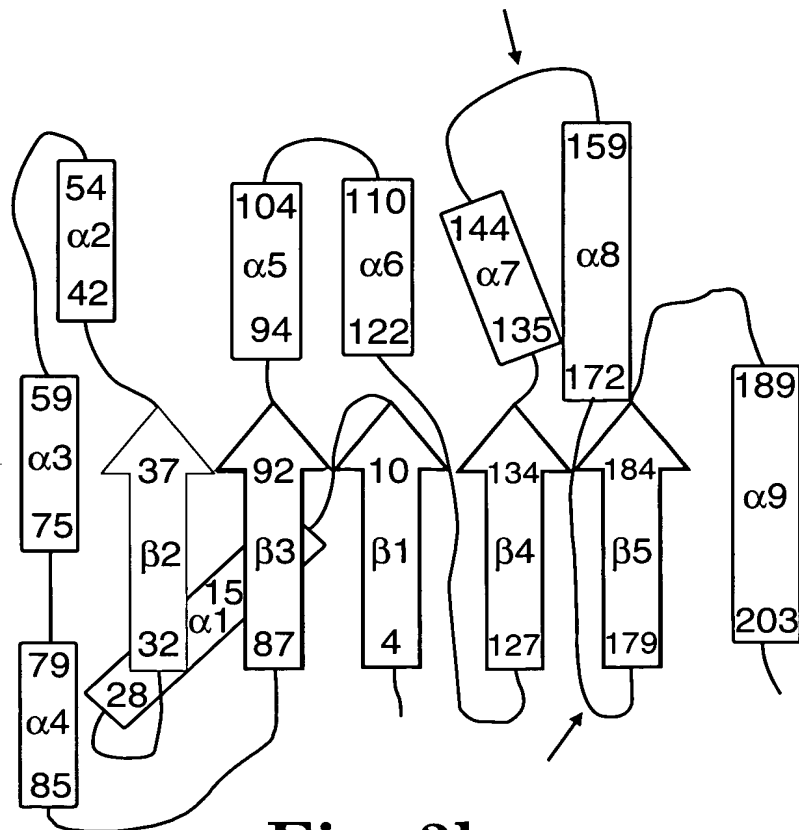
ATOM	3131	OH2	TIP3	709	21.985	-1.594	11.183	1.00	25.61
ATOM	3132	OH2	TIP3	711	8.853	16.083	9.847	1.00	21.94
ATOM	3133	OH2	TIP3	712	6.511	20.114	13.278	1.00	56.32
ATOM	3134	OH2	TIP3	713	4.281	19.995	16.814	1.00	30.19
ATOM	3135	OH2	TIP3	714	5.434	17.688	13.014	1.00	24.50
ATOM	3136	OH2	TIP3	715	16.706	18.750	3.770	1.00	42.30
ATOM	3137	OH2	TIP3	716	36.108	0.064	-10.727	1.00	56.35
ATOM	3138	OH2	TIP3	717	30.590	-9.134	3.586	1.00	26.39
ATOM	3139	OH2	TIP3	718	32.446	19.916	-7.693	1.00	26.41
ATOM	3140	OH2	TIP3	719	21.678	-2.553	26.350	1.00	17.13
ATOM	3141	OH2	TIP3	720	-2.226	-19.231	13.193	1.00	61.49
ATOM	3142	OH2	TIP3	721	-2.874	-14.571	13.421	1.00	51.98
ATOM	3143	OH2	TIP3	722	-5.200	9.600	36.735	1.00	30.95
ATOM	3144	OH2	TIP3	724	-2.287	3.837	39.477	1.00	36.32
ATOM	3145	OH2	TIP3	726	-7.714	-12.404	40.890	1.00	26.19
ATOM	3146	OH2	TIP3	727	-9.403	-12.901	43.798	1.00	58.25
ATOM	3147	OH2	TIP3	728	18.346	2.718	31.321	1.00	29.06
ATOM	3148	OH2	TIP3	729	15.929	11.925	36.890	1.00	20.48
ATOM	3149	OH2	TIP3	731	11.736	-21.743	17.819	1.00	56.65
ATOM	3150	OH2	TIP3	732	12.835	-19.407	17.439	1.00	47.51
ATOM	3151	OH2	TIP3	734	13.864	-21.140	15.303	1.00	36.90
ATOM	3152	OH2	TIP3	737	-16.126	19.138	31.099	1.00	50.05
END									

**Fig. 2A-55**

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**Fig. 3a**



**Fig. 3b**

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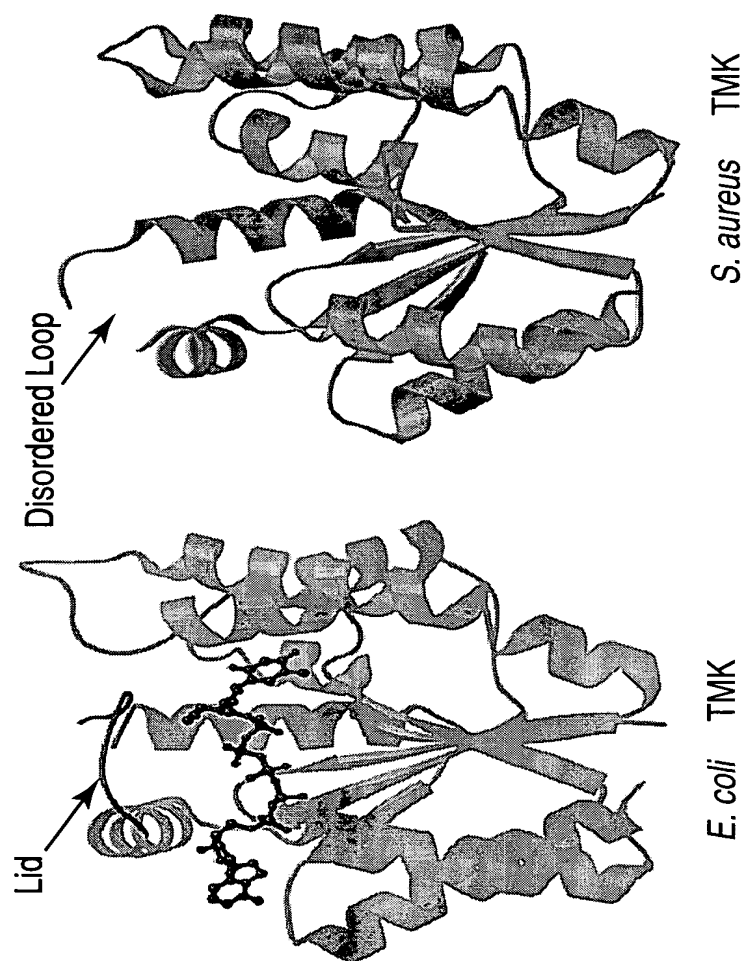
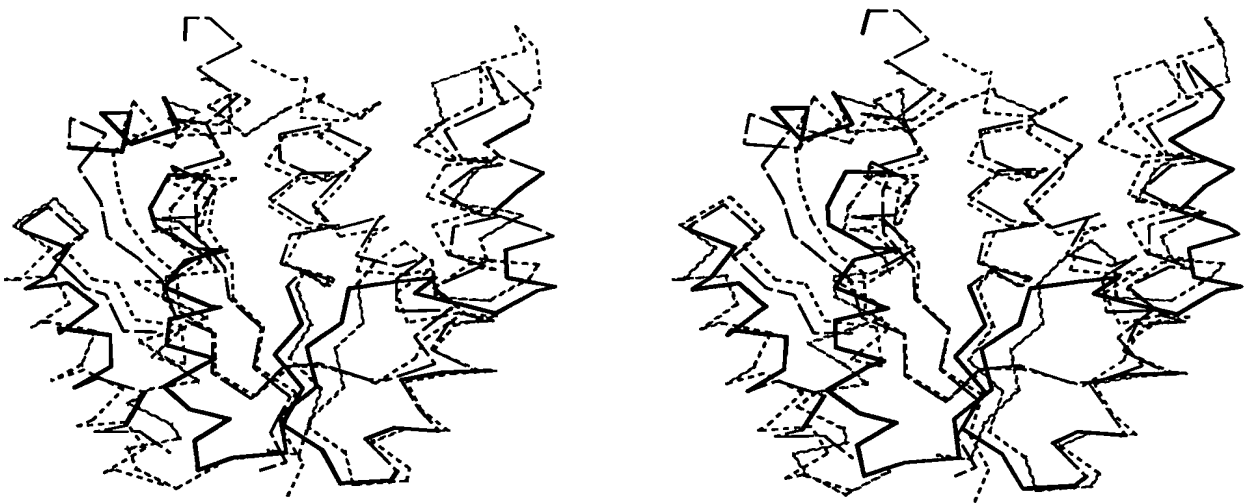


Fig. 4

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**Fig. 5a**



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SEQ ID NO:2 1 mrskyivieglegagkttarnvvvetleqlgirdmvftrepggtqlaekl 50

      49 RKIVLE....GND.MDIRTEAMLFAASRREHLVLKVIPALKEGKVVLCDR 93
      | :||: |.: . : |::| |. | : . : ||| | |.: ||
      51 rslvldiksvgdevitdkaevlmfyaarvqlvetvikpalangtwwigdr 100

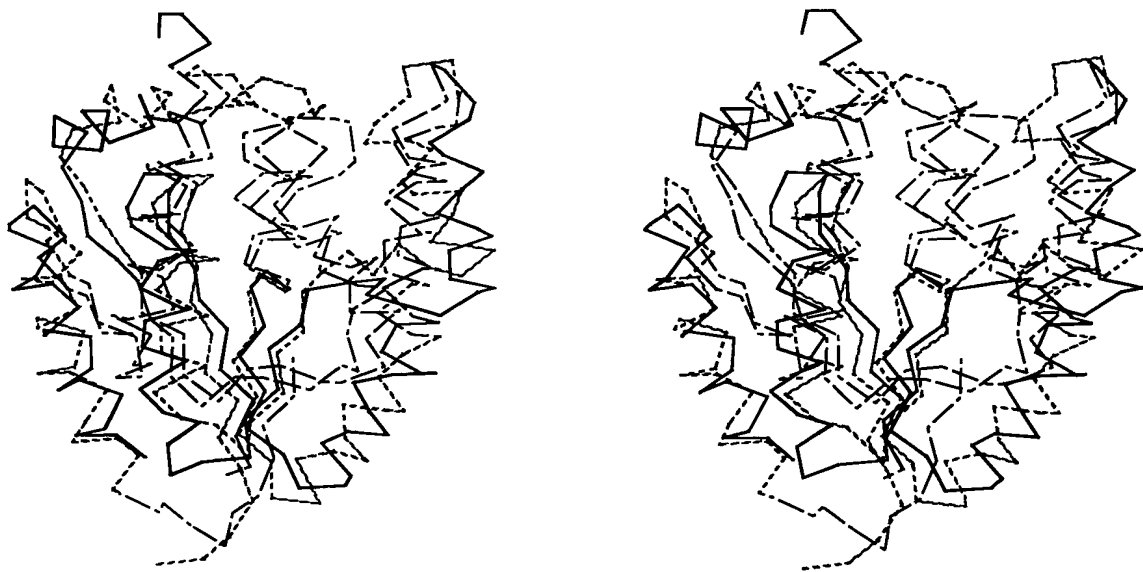
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      101 hdlstqayqgggrgidqhmlatlrdavlgdfrpdltlyldvtpevglkr. 149

      144 IKNSRDQNRLDQEDLKFHEKVIEGYQEIIHNESQRFKSVNADQPLENVVE 193
      : : .|::|| | : | | : : . .:| |||| |.:
      150 arargeldriegesfdffnrtrarylela.aqdksihtidatqpleavmd 198

      194 DTYQTIKYLEKIRSHHHHHH 214
      | : :...: .
      199 airttvthwvkelda..... 213
  
```

Fig. 5b

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**Fig. 6a**

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```

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              | || : .||| | .| :| . .: | |
SEQ ID NO:3 1 mmgrgklilieglldrtgkttqcnilykklqpncllkfperstrigglin 50

49 RKIVLEGNDMDIRTEAMLFAASRREHLVLKVIPALKEGKVVLCDRYIDSS 98
   : : : . :|||.|. | :| |: | ||| :. |||: |
51 eyltddsfqlsdqaihlflsanrwe.ivdkikkdllegknivmdryvysg 99

99 LAYQGYARGIGVEEVRLNEFAINGLYPDLTIYLNVSAEVGRERIIKNSR 148
   .|| |:| :. : : | |||:|. . :|
100 vaysa.akgtngmdldwclqpdvgllkpdltlfls.tqdvdnnaeksgfg 147

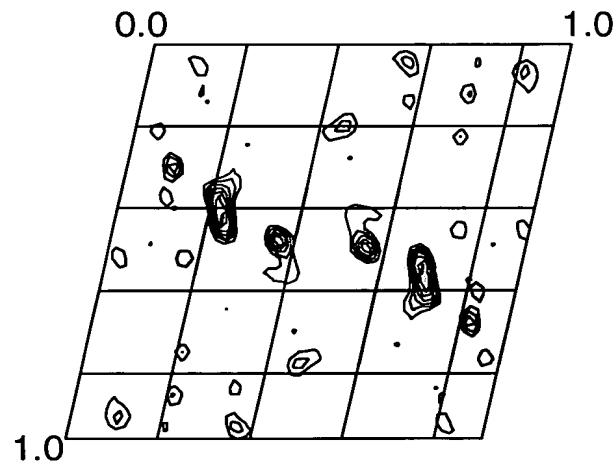
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148 der...yetvkfgekvtqtfmklldkeirkgdesitvdvtnkgiqevea 194

198 TIIKYLEKIRSHHHHHH..... 214
   | . .| : | | |
195 liwqivepvlsthidhdkfsff 216
    
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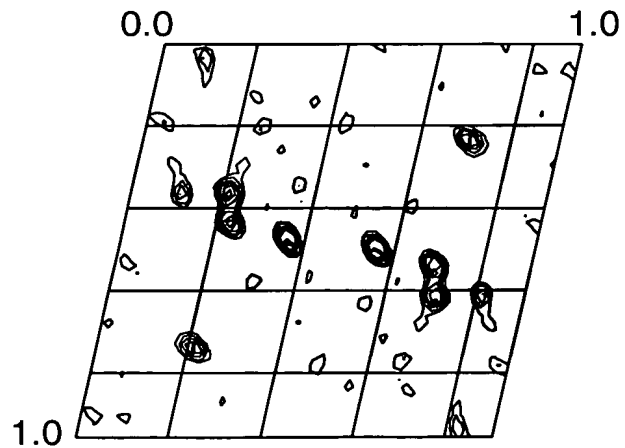
**Fig. 6b**



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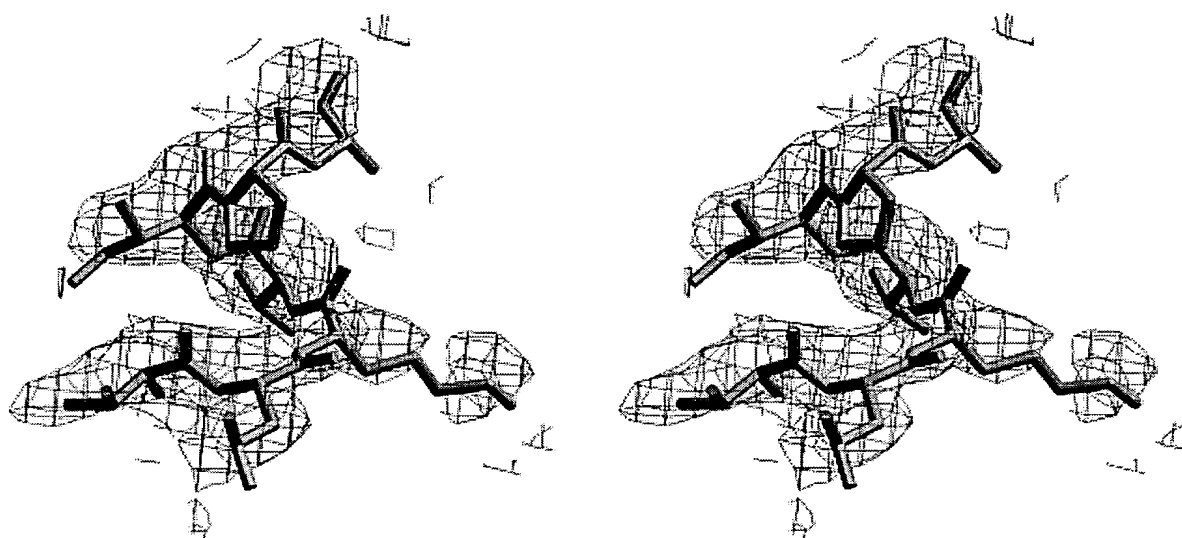


**Fig. 8a**

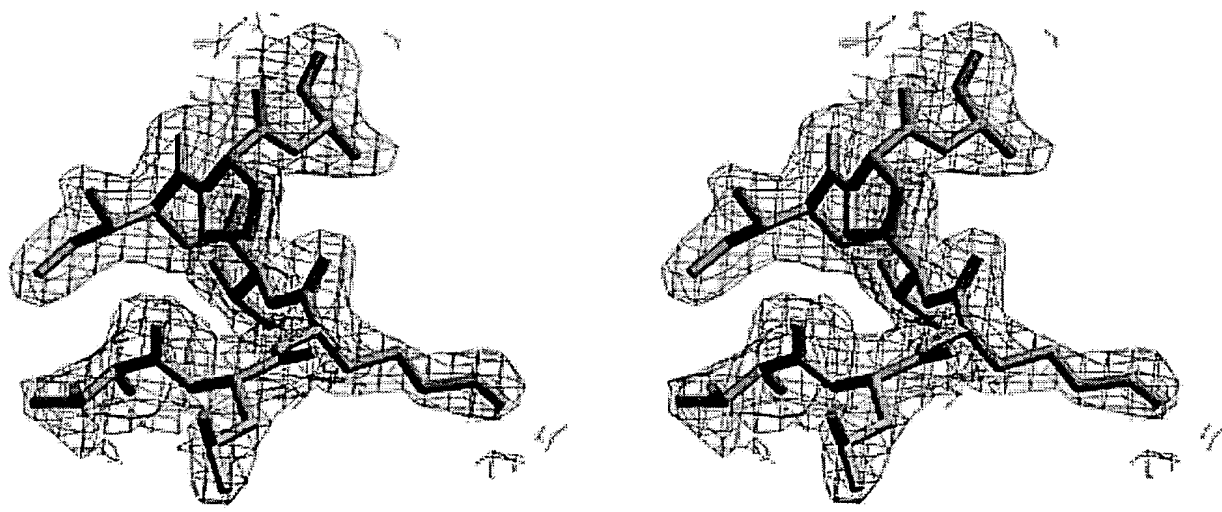


**Fig. 8b**

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**Fig. 9a**



**Fig. 9b**



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INDE	-17	7	4	FOBS=	52.7	SIGMA=	23.2	PHAS=	328.3	FOM=	0.21
INDE	-17	7	5	FOBS=	73.4	SIGMA=	7.9	PHAS=	123.3	FOM=	0.06
INDE	-17	7	6	FOBS=	76.9	SIGMA=	7.0	PHAS=	1.1	FOM=	0.04
INDE	-17	7	7	FOBS=	81.5	SIGMA=	6.5	PHAS=	256.8	FOM=	0.36
INDE	-17	8	1	FOBS=	54.7	SIGMA=	14.0	PHAS=	328.8	FOM=	0.02
INDE	-17	8	2	FOBS=	61.0	SIGMA=	33.9	PHAS=	98.2	FOM=	0.05
INDE	-17	8	3	FOBS=	79.1	SIGMA=	38.5	PHAS=	278.1	FOM=	0.19
INDE	-17	8	4	FOBS=	48.4	SIGMA=	12.9	PHAS=	100.1	FOM=	0.04
INDE	-17	8	5	FOBS=	54.4	SIGMA=	11.5	PHAS=	68.0	FOM=	0.14
INDE	-17	8	6	FOBS=	40.8	SIGMA=	17.5	PHAS=	277.5	FOM=	0.19
INDE	-17	8	7	FOBS=	208.7	SIGMA=	2.7	PHAS=	59.5	FOM=	0.91
INDE	-17	9	1	FOBS=	41.7	SIGMA=	15.4	PHAS=	36.7	FOM=	0.10
INDE	-17	9	2	FOBS=	65.7	SIGMA=	13.7	PHAS=	205.0	FOM=	0.07
INDE	-17	9	3	FOBS=	51.2	SIGMA=	13.8	PHAS=	144.5	FOM=	0.03
INDE	-17	9	4	FOBS=	46.4	SIGMA=	21.4	PHAS=	42.5	FOM=	0.09
INDE	-17	9	5	FOBS=	72.9	SIGMA=	7.5	PHAS=	24.8	FOM=	0.15
INDE	-17	10	6	FOBS=	59.2	SIGMA=	11.0	PHAS=	148.3	FOM=	0.11
INDE	-17	10	1	FOBS=	80.9	SIGMA=	8.4	PHAS=	16.5	FOM=	0.16
INDE	-17	10	2	FOBS=	80.9	SIGMA=	8.2	PHAS=	201.7	FOM=	0.12
INDE	-17	10	3	FOBS=	132.5	SIGMA=	5.3	PHAS=	33.6	FOM=	0.12
INDE	-17	10	4	FOBS=	54.5	SIGMA=	18.5	PHAS=	278.7	FOM=	0.02
INDE	-17	10	5	FOBS=	56.9	SIGMA=	12.5	PHAS=	235.7	FOM=	0.02
INDE	-17	10	6	FOBS=	58.0	SIGMA=	32.1	PHAS=	34.9	FOM=	0.04
INDE	-17	11	2	FOBS=	121.0	SIGMA=	9.3	PHAS=	37.3	FOM=	0.13
INDE	-17	11	3	FOBS=	90.5	SIGMA=	6.9	PHAS=	349.2	FOM=	0.18
INDE	-17	11	4	FOBS=	92.5	SIGMA=	9.7	PHAS=	90.2	FOM=	0.03
INDE	-17	11	5	FOBS=	107.1	SIGMA=	19.3	PHAS=	310.8	FOM=	0.02
INDE	-16	0	1	FOBS=	140.1	SIGMA=	7.0	PHAS=	180.0	FOM=	0.00
INDE	-16	0	2	FOBS=	35.3	SIGMA=	44.0	PHAS=	180.0	FOM=	0.04
INDE	-16	0	4	FOBS=	64.7	SIGMA=	14.6	PHAS=	0.0	FOM=	0.03
INDE	-16	0	5	FOBS=	169.1	SIGMA=	5.0	PHAS=	180.0	FOM=	0.03
INDE	-16	0	6	FOBS=	148.6	SIGMA=	5.5	PHAS=	180.0	FOM=	0.15
INDE	-16	0	7	FOBS=	106.3	SIGMA=	7.3	PHAS=	0.0	FOM=	0.42
INDE	-16	0	8	FOBS=	63.2	SIGMA=	11.2	PHAS=	180.0	FOM=	0.23
INDE	-16	0	9	FOBS=	46.2	SIGMA=	14.8	PHAS=	180.0	FOM=	0.20
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INDE	-16	1	1	FOBS=	158.0	SIGMA=	4.2	PHAS=	287.6	FOM=	0.09
INDE	-16	1	3	FOBS=	40.6	SIGMA=	21.1	PHAS=	293.8	FOM=	0.10
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INDE	-16	1	5	FOBS=	63.8	SIGMA=	10.5	PHAS=	226.8	FOM=	0.04
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INDE	-16	1	8	FOBS=	103.3	SIGMA=	4.9	PHAS=	172.5	FOM=	0.89
INDE	-16	1	9	FOBS=	76.9	SIGMA=	6.2	PHAS=	350.6	FOM=	0.17
INDE	-16	2	1	FOBS=	117.1	SIGMA=	5.7	PHAS=	254.5	FOM=	0.23
INDE	-16	2	2	FOBS=	107.4	SIGMA=	6.0	PHAS=	8.8	FOM=	0.14
INDE	-16	2	3	FOBS=	83.3	SIGMA=	7.6	PHAS=	130.1	FOM=	0.11
INDE	-16	2	4	FOBS=	209.0	SIGMA=	3.0	PHAS=	301.8	FOM=	0.75
INDE	-16	2	5	FOBS=	112.4	SIGMA=	5.3	PHAS=	162.9	FOM=	0.06
INDE	-16	2	6	FOBS=	69.6	SIGMA=	8.3	PHAS=	306.9	FOM=	0.18
INDE	-16	2	7	FOBS=	53.0	SIGMA=	11.1	PHAS=	148.8	FOM=	0.14
INDE	-16	2	9	FOBS=	83.3	SIGMA=	6.0	PHAS=	287.1	FOM=	0.49
INDE	-16	3	10	FOBS=	105.0	SIGMA=	4.6	PHAS=	85.0	FOM=	0.76
INDE	-16	3	1	FOBS=	79.2	SIGMA=	8.3	PHAS=	311.0	FOM=	0.25
INDE	-16	3	2	FOBS=	73.8	SIGMA=	9.0	PHAS=	98.1	FOM=	0.14
INDE	-16	3	3	FOBS=	140.2	SIGMA=	4.7	PHAS=	228.0	FOM=	0.54
INDE	-16	3	4	FOBS=	102.0	SIGMA=	5.9	PHAS=	14.0	FOM=	0.22
INDE	-16	3	5	FOBS=	219.6	SIGMA=	2.9	PHAS=	95.5	FOM=	0.11
INDE	-16	3	6	FOBS=	70.7	SIGMA=	8.0	PHAS=	210.5	FOM=	0.21
INDE	-16	3	7	FOBS=	48.9	SIGMA=	27.8	PHAS=	48.1	FOM=	0.24
INDE	-16	3	8	FOBS=	66.5	SIGMA=	7.6	PHAS=	271.7	FOM=	0.05
INDE	-16	3	9	FOBS=	348.9	SIGMA=	1.7	PHAS=	271.3	FOM=	0.42
INDE	-16	3	10	FOBS=	119.5	SIGMA=	3.8	PHAS=	253.1	FOM=	0.48
INDE	-16	4	2	FOBS=	91.6	SIGMA=	7.2	PHAS=	213.2	FOM=	0.27
INDE	-16	4	3	FOBS=	57.3	SIGMA=	28.8	PHAS=	313.0	FOM=	0.04
INDE	-16	4	4	FOBS=	68.6	SIGMA=	54.8	PHAS=	349.7	FOM=	0.21
INDE	-16	4	5	FOBS=	89.9	SIGMA=	6.4	PHAS=	218.5	FOM=	0.29
INDE	-16	4	6	FOBS=	97.6	SIGMA=	5.6	PHAS=	274.8	FOM=	0.22
INDE	-16	4	7	FOBS=	72.9	SIGMA=	7.2	PHAS=	1.9	FOM=	0.25
INDE	-16	4	8	FOBS=	90.5	SIGMA=	5.8	PHAS=	140.0	FOM=	0.71
INDE	-16	4	9	FOBS=	45.8	SIGMA=	11.6	PHAS=	17.3	FOM=	0.17
INDE	-16	4	10	FOBS=	51.2	SIGMA=	29.4	PHAS=	205.3	FOM=	0.08

Fig. 10A-1



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INDE	-16	5	1	FOBS=	111.5	SIGMA=	6.0	PHAS=	191.6	FOM=	0.11
INDE	-16	5	2	FOBS=	82.2	SIGMA=	7.8	PHAS=	67.3	FOM=	0.30
INDE	-16	5	3	FOBS=	59.2	SIGMA=	14.4	PHAS=	277.0	FOM=	0.19
INDE	-16	5	4	FOBS=	60.0	SIGMA=	23.6	PHAS=	107.2	FOM=	0.20
INDE	-16	5	5	FOBS=	138.0	SIGMA=	4.3	PHAS=	180.3	FOM=	0.32
INDE	-16	5	6	FOBS=	99.2	SIGMA=	5.8	PHAS=	274.7	FOM=	0.69
INDE	-16	5	7	FOBS=	204.7	SIGMA=	2.8	PHAS=	132.6	FOM=	0.89
INDE	-16	5	8	FOBS=	106.3	SIGMA=	4.7	PHAS=	228.0	FOM=	0.19
INDE	-16	5	9	FOBS=	165.9	SIGMA=	3.0	PHAS=	265.7	FOM=	0.62
INDE	-16	5	10	FOBS=	65.5	SIGMA=	6.7	PHAS=	34.2	FOM=	0.11
INDE	-16	6	1	FOBS=	58.4	SIGMA=	27.9	PHAS=	58.3	FOM=	0.38
INDE	-16	6	2	FOBS=	76.0	SIGMA=	8.5	PHAS=	220.7	FOM=	0.10
INDE	-16	6	3	FOBS=	63.0	SIGMA=	33.3	PHAS=	211.7	FOM=	0.10
INDE	-16	6	4	FOBS=	89.1	SIGMA=	6.7	PHAS=	42.3	FOM=	0.53
INDE	-16	6	5	FOBS=	133.2	SIGMA=	4.5	PHAS=	214.1	FOM=	0.77
INDE	-16	6	6	FOBS=	191.7	SIGMA=	3.0	PHAS=	66.6	FOM=	0.89
INDE	-16	6	7	FOBS=	74.3	SIGMA=	6.8	PHAS=	121.3	FOM=	0.77
INDE	-16	6	8	FOBS=	155.7	SIGMA=	3.4	PHAS=	220.3	FOM=	0.91
INDE	-16	6	9	FOBS=	101.5	SIGMA=	5.0	PHAS=	7.3	FOM=	0.63
INDE	-16	6	10	FOBS=	163.0	SIGMA=	2.9	PHAS=	251.7	FOM=	0.93
INDE	-16	7	1	FOBS=	57.1	SIGMA=	16.3	PHAS=	334.5	FOM=	0.15
INDE	-16	7	2	FOBS=	58.1	SIGMA=	15.4	PHAS=	121.4	FOM=	0.21
INDE	-16	7	3	FOBS=	111.3	SIGMA=	5.5	PHAS=	309.6	FOM=	0.19
INDE	-16	7	4	FOBS=	73.8	SIGMA=	7.9	PHAS=	180.8	FOM=	0.07
INDE	-16	7	5	FOBS=	41.4	SIGMA=	17.3	PHAS=	153.7	FOM=	0.08
INDE	-16	7	6	FOBS=	132.8	SIGMA=	4.2	PHAS=	12.6	FOM=	0.47
INDE	-16	7	7	FOBS=	129.1	SIGMA=	4.2	PHAS=	160.6	FOM=	0.62
INDE	-16	7	8	FOBS=	267.5	SIGMA=	2.1	PHAS=	28.2	FOM=	0.90
INDE	-16	7	9	FOBS=	111.0	SIGMA=	4.3	PHAS=	30.4	FOM=	0.19
INDE	-16	7	10	FOBS=	246.9	SIGMA=	4.1	PHAS=	45.1	FOM=	0.68
INDE	-16	8	1	FOBS=	64.8	SIGMA=	11.2	PHAS=	92.6	FOM=	0.52
INDE	-16	8	2	FOBS=	42.1	SIGMA=	20.3	PHAS=	290.7	FOM=	0.07
INDE	-16	8	3	FOBS=	36.5	SIGMA=	15.9	PHAS=	259.5	FOM=	0.26
INDE	-16	8	4	FOBS=	131.4	SIGMA=	4.5	PHAS=	143.1	FOM=	0.72
INDE	-16	8	5	FOBS=	66.7	SIGMA=	8.3	PHAS=	290.4	FOM=	0.31
INDE	-16	8	6	FOBS=	98.2	SIGMA=	5.3	PHAS=	141.7	FOM=	0.90
INDE	-16	8	7	FOBS=	145.0	SIGMA=	3.6	PHAS=	344.7	FOM=	0.10
INDE	-16	8	8	FOBS=	55.3	SIGMA=	10.1	PHAS=	259.3	FOM=	0.19
INDE	-16	8	9	FOBS=	116.2	SIGMA=	4.3	PHAS=	67.8	FOM=	0.87
INDE	-16	8	10	FOBS=	81.8	SIGMA=	6.6	PHAS=	77.9	FOM=	0.95
INDE	-16	9	1	FOBS=	107.4	SIGMA=	6.6	PHAS=	232.9	FOM=	0.71
INDE	-16	9	2	FOBS=	162.5	SIGMA=	83.9	PHAS=	5.5	FOM=	0.29
INDE	-16	9	3	FOBS=	130.7	SIGMA=	4.5	PHAS=	148.8	FOM=	0.43
INDE	-16	9	4	FOBS=	145.3	SIGMA=	3.9	PHAS=	175.8	FOM=	0.82
INDE	-16	9	5	FOBS=	123.7	SIGMA=	4.4	PHAS=	265.4	FOM=	0.70
INDE	-16	9	6	FOBS=	86.0	SIGMA=	5.6	PHAS=	32.1	FOM=	0.49
INDE	-16	9	7	FOBS=	123.5	SIGMA=	4.0	PHAS=	185.1	FOM=	0.18
INDE	-16	9	8	FOBS=	120.3	SIGMA=	4.0	PHAS=	304.2	FOM=	0.25
INDE	-16	9	9	FOBS=	61.8	SIGMA=	14.5	PHAS=	188.3	FOM=	0.08
INDE	-16	10	1	FOBS=	67.9	SIGMA=	10.3	PHAS=	321.0	FOM=	0.11
INDE	-16	10	2	FOBS=	128.7	SIGMA=	82.3	PHAS=	138.2	FOM=	0.02
INDE	-16	10	3	FOBS=	85.9	SIGMA=	6.1	PHAS=	234.1	FOM=	0.46
INDE	-16	10	4	FOBS=	142.5	SIGMA=	3.8	PHAS=	216.9	FOM=	0.24
INDE	-16	10	5	FOBS=	74.7	SIGMA=	6.3	PHAS=	23.2	FOM=	0.27
INDE	-16	10	6	FOBS=	230.8	SIGMA=	2.3	PHAS=	263.6	FOM=	0.88
INDE	-16	10	7	FOBS=	155.2	SIGMA=	6.4	PHAS=	177.6	FOM=	0.16
INDE	-16	10	8	FOBS=	165.9	SIGMA=	4.0	PHAS=	319.9	FOM=	0.30
INDE	-16	10	9	FOBS=	174.7	SIGMA=	3.8	PHAS=	52.3	FOM=	0.57
INDE	-16	10	10	FOBS=	91.2	SIGMA=	7.1	PHAS=	305.3	FOM=	0.31
INDE	-16	11	1	FOBS=	63.6	SIGMA=	11.8	PHAS=	212.4	FOM=	0.03
INDE	-16	11	2	FOBS=	33.0	SIGMA=	14.0	PHAS=	64.3	FOM=	0.16
INDE	-16	11	3	FOBS=	177.8	SIGMA=	2.8	PHAS=	249.8	FOM=	0.75
INDE	-16	11	4	FOBS=	169.7	SIGMA=	2.9	PHAS=	63.2	FOM=	0.30
INDE	-16	11	5	FOBS=	144.6	SIGMA=	4.7	PHAS=	10.0	FOM=	0.22
INDE	-16	11	6	FOBS=	100.7	SIGMA=	6.4	PHAS=	89.0	FOM=	0.13
INDE	-16	11	7	FOBS=	134.1	SIGMA=	4.7	PHAS=	346.0	FOM=	0.09
INDE	-16	11	8	FOBS=	55.5	SIGMA=	11.0	PHAS=	115.3	FOM=	0.13
INDE	-16	11	9	FOBS=	63.1	SIGMA=	8.2	PHAS=	274.9	FOM=	0.07
INDE	-16	11	10	FOBS=	99.1	SIGMA=	4.8	PHAS=	116.7	FOM=	0.12
INDE	-16	12	1	FOBS=	73.0	SIGMA=	9.7	PHAS=	274.7	FOM=	0.02
INDE	-16	12	2	FOBS=	127.0	SIGMA=	5.3	PHAS=	227.2	FOM=	0.18

**Fig. 10A-2**

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INDE	-16	13	2	FOBS=	46.6	SIGMA=	13.9	PHAS=	44.4	FOM=	0.01
INDE	-16	13	3	FOBS=	87.3	SIGMA=	6.8	PHAS=	158.9	FOM=	0.05
INDE	-16	13	4	FOBS=	58.7	SIGMA=	34.5	PHAS=	360.0	FOM=	0.07
INDE	-16	13	5	FOBS=	62.2	SIGMA=	34.7	PHAS=	146.6	FOM=	0.12
INDE	-16	13	6	FOBS=	107.1	SIGMA=	5.3	PHAS=	298.6	FOM=	0.24
INDE	-16	13	7	FOBS=	67.6	SIGMA=	7.7	PHAS=	68.8	FOM=	0.05
INDE	-16	14	1	FOBS=	150.7	SIGMA=	94.2	PHAS=	84.9	FOM=	0.01
INDE	-16	14	2	FOBS=	59.0	SIGMA=	12.8	PHAS=	252.4	FOM=	0.04
INDE	-16	14	3	FOBS=	50.6	SIGMA=	16.2	PHAS=	330.2	FOM=	0.01
INDE	-16	14	4	FOBS=	45.0	SIGMA=	19.2	PHAS=	68.6	FOM=	0.09
INDE	-16	14	5	FOBS=	125.3	SIGMA=	4.2	PHAS=	350.0	FOM=	0.54
INDE	-16	14	6	FOBS=	123.1	SIGMA=	4.1	PHAS=	111.5	FOM=	0.50
INDE	-16	15	1	FOBS=	54.5	SIGMA=	20.9	PHAS=	241.3	FOM=	0.03
INDE	-16	15	2	FOBS=	64.3	SIGMA=	9.9	PHAS=	51.3	FOM=	0.05
INDE	-16	15	3	FOBS=	91.9	SIGMA=	6.4	PHAS=	31.3	FOM=	0.13
INDE	-16	15	4	FOBS=	83.1	SIGMA=	6.6	PHAS=	261.7	FOM=	0.11
INDE	-16	15	5	FOBS=	77.4	SIGMA=	10.8	PHAS=	120.6	FOM=	0.02
INDE	-15	0	1	FOBS=	82.1	SIGMA=	11.7	PHAS=	0.0	FOM=	0.08
INDE	-15	0	2	FOBS=	57.1	SIGMA=	16.3	PHAS=	180.0	FOM=	0.04
INDE	-15	0	3	FOBS=	289.2	SIGMA=	3.3	PHAS=	0.0	FOM=	0.53
INDE	-15	0	5	FOBS=	136.1	SIGMA=	6.2	PHAS=	180.0	FOM=	0.02
INDE	-15	0	7	FOBS=	92.1	SIGMA=	8.4	PHAS=	180.0	FOM=	0.03
INDE	-15	0	8	FOBS=	180.9	SIGMA=	4.3	PHAS=	0.0	FOM=	0.03
INDE	-15	0	9	FOBS=	92.4	SIGMA=	7.6	PHAS=	180.0	FOM=	0.00
INDE	-15	0	10	FOBS=	68.0	SIGMA=	9.9	PHAS=	0.0	FOM=	0.04
INDE	-15	0	11	FOBS=	86.4	SIGMA=	8.2	PHAS=	180.0	FOM=	0.98
INDE	-15	0	12	FOBS=	120.6	SIGMA=	6.2	PHAS=	180.0	FOM=	0.83
INDE	-15	1	1	FOBS=	300.5	SIGMA=	2.9	PHAS=	180.0	FOM=	0.15
INDE	-15	1	2	FOBS=	80.4	SIGMA=	8.5	PHAS=	339.1	FOM=	0.08
INDE	-15	1	3	FOBS=	243.0	SIGMA=	2.8	PHAS=	166.3	FOM=	0.76
INDE	-15	1	4	FOBS=	179.2	SIGMA=	3.7	PHAS=	67.9	FOM=	0.11
INDE	-15	1	5	FOBS=	44.9	SIGMA=	18.4	PHAS=	352.4	FOM=	0.13
INDE	-15	1	6	FOBS=	106.2	SIGMA=	5.6	PHAS=	209.4	FOM=	0.61
INDE	-15	1	7	FOBS=	67.1	SIGMA=	8.9	PHAS=	11.6	FOM=	0.08
INDE	-15	1	8	FOBS=	40.9	SIGMA=	14.6	PHAS=	38.3	FOM=	0.15
INDE	-15	1	9	FOBS=	121.1	SIGMA=	4.2	PHAS=	131.4	FOM=	0.40
INDE	-15	1	10	FOBS=	155.5	SIGMA=	3.1	PHAS=	321.1	FOM=	0.29
INDE	-15	1	11	FOBS=	191.2	SIGMA=	2.5	PHAS=	77.0	FOM=	0.92
INDE	-15	1	12	FOBS=	102.6	SIGMA=	5.3	PHAS=	304.7	FOM=	0.33
INDE	-15	2	1	FOBS=	106.9	SIGMA=	4.9	PHAS=	172.9	FOM=	0.37
INDE	-15	2	2	FOBS=	45.5	SIGMA=	18.8	PHAS=	140.3	FOM=	0.08
INDE	-15	2	4	FOBS=	112.5	SIGMA=	5.8	PHAS=	222.3	FOM=	0.09
INDE	-15	2	5	FOBS=	76.4	SIGMA=	7.9	PHAS=	77.7	FOM=	0.27
INDE	-15	2	6	FOBS=	227.6	SIGMA=	2.7	PHAS=	132.1	FOM=	0.74
INDE	-15	2	7	FOBS=	157.3	SIGMA=	3.7	PHAS=	321.5	FOM=	0.60
INDE	-15	2	8	FOBS=	193.1	SIGMA=	2.9	PHAS=	148.1	FOM=	0.69
INDE	-15	2	9	FOBS=	130.0	SIGMA=	4.0	PHAS=	238.9	FOM=	0.19
INDE	-15	2	10	FOBS=	87.5	SIGMA=	5.4	PHAS=	307.6	FOM=	0.50
INDE	-15	2	11	FOBS=	92.4	SIGMA=	4.8	PHAS=	200.9	FOM=	0.96
INDE	-15	2	12	FOBS=	175.0	SIGMA=	2.9	PHAS=	23.4	FOM=	0.24
INDE	-15	3	1	FOBS=	67.5	SIGMA=	9.8	PHAS=	130.5	FOM=	0.05
INDE	-15	3	2	FOBS=	209.9	SIGMA=	3.3	PHAS=	35.7	FOM=	0.72
INDE	-15	3	3	FOBS=	58.3	SIGMA=	12.5	PHAS=	247.6	FOM=	0.22
INDE	-15	3	4	FOBS=	123.7	SIGMA=	5.2	PHAS=	157.4	FOM=	0.11
INDE	-15	3	5	FOBS=	40.3	SIGMA=	19.2	PHAS=	75.5	FOM=	0.18
INDE	-15	3	6	FOBS=	107.2	SIGMA=	5.5	PHAS=	197.2	FOM=	0.48
INDE	-15	3	7	FOBS=	268.0	SIGMA=	2.2	PHAS=	14.3	FOM=	0.34
INDE	-15	3	8	FOBS=	228.4	SIGMA=	2.6	PHAS=	85.4	FOM=	0.89
INDE	-15	3	9	FOBS=	138.6	SIGMA=	3.8	PHAS=	233.1	FOM=	0.68
INDE	-15	3	10	FOBS=	123.0	SIGMA=	4.0	PHAS=	99.5	FOM=	0.75
INDE	-15	3	11	FOBS=	100.1	SIGMA=	4.5	PHAS=	258.9	FOM=	0.55
INDE	-15	3	12	FOBS=	40.8	SIGMA=	18.2	PHAS=	327.0	FOM=	0.04
INDE	-15	4	1	FOBS=	249.4	SIGMA=	2.6	PHAS=	309.0	FOM=	0.87
INDE	-15	4	2	FOBS=	147.8	SIGMA=	4.7	PHAS=	302.2	FOM=	0.04
INDE	-15	4	3	FOBS=	135.9	SIGMA=	5.0	PHAS=	175.2	FOM=	0.38
INDE	-15	4	4	FOBS=	65.3	SIGMA=	10.7	PHAS=	19.9	FOM=	0.14
INDE	-15	4	5	FOBS=	39.6	SIGMA=	23.2	PHAS=	183.4	FOM=	0.10
INDE	-15	4	6	FOBS=	86.9	SIGMA=	6.6	PHAS=	254.2	FOM=	0.26
INDE	-15	4	7	FOBS=	198.4	SIGMA=	2.9	PHAS=	22.8	FOM=	0.60
INDE	-15	4	8	FOBS=	289.4	SIGMA=	2.0	PHAS=	146.3	FOM=	0.87
INDE	-15	4		FOBS=	161.5	SIGMA=	3.4	PHAS=	325.9	FOM=	0.87

Fig. 10A-3

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INDE	-15	4	9	FOBS=	170.3	SIGMA=	2.9	PHAS=	111.9	FOM=	0.78
INDE	-15	4	10	FOBS=	89.5	SIGMA=	5.0	PHAS=	130.2	FOM=	0.32
INDE	-15	4	11	FOBS=	84.8	SIGMA=	5.9	PHAS=	17.9	FOM=	0.69
INDE	-15	4	12	FOBS=	106.4	SIGMA=	8.3	PHAS=	129.1	FOM=	0.60
INDE	-15	5	1	FOBS=	117.0	SIGMA=	5.9	PHAS=	166.5	FOM=	0.58
INDE	-15	5	2	FOBS=	214.6	SIGMA=	3.1	PHAS=	242.2	FOM=	0.62
INDE	-15	5	3	FOBS=	101.8	SIGMA=	6.1	PHAS=	307.3	FOM=	0.37
INDE	-15	5	4	FOBS=	46.3	SIGMA=	30.3	PHAS=	130.0	FOM=	0.20
INDE	-15	5	5	FOBS=	175.8	SIGMA=	3.4	PHAS=	2.1	FOM=	0.58
INDE	-15	5	6	FOBS=	87.0	SIGMA=	6.5	PHAS=	111.5	FOM=	0.52
INDE	-15	5	7	FOBS=	111.4	SIGMA=	4.7	PHAS=	328.1	FOM=	0.30
INDE	-15	5	8	FOBS=	88.4	SIGMA=	5.6	PHAS=	206.0	FOM=	0.21
INDE	-15	5	9	FOBS=	136.5	SIGMA=	3.8	PHAS=	92.7	FOM=	0.94
INDE	-15	5	10	FOBS=	110.3	SIGMA=	4.6	PHAS=	278.1	FOM=	0.85
INDE	-15	5	11	FOBS=	58.6	SIGMA=	7.7	PHAS=	188.6	FOM=	0.04
INDE	-15	6	1	FOBS=	100.9	SIGMA=	6.7	PHAS=	134.0	FOM=	0.17
INDE	-15	6	2	FOBS=	37.5	SIGMA=	18.4	PHAS=	222.1	FOM=	0.13
INDE	-15	6	3	FOBS=	149.1	SIGMA=	4.3	PHAS=	295.8	FOM=	0.75
INDE	-15	6	4	FOBS=	40.2	SIGMA=	20.1	PHAS=	200.2	FOM=	0.18
INDE	-15	6	5	FOBS=	203.9	SIGMA=	2.9	PHAS=	59.7	FOM=	0.33
INDE	-15	6	6	FOBS=	142.5	SIGMA=	4.0	PHAS=	232.8	FOM=	0.43
INDE	-15	6	7	FOBS=	295.3	SIGMA=	2.0	PHAS=	230.9	FOM=	0.98
INDE	-15	6	8	FOBS=	269.8	SIGMA=	2.0	PHAS=	136.4	FOM=	0.89
INDE	-15	6	9	FOBS=	223.1	SIGMA=	2.2	PHAS=	233.8	FOM=	0.90
INDE	-15	6	10	FOBS=	123.4	SIGMA=	4.2	PHAS=	138.0	FOM=	0.20
INDE	-15	6	11	FOBS=	120.7	SIGMA=	4.0	PHAS=	124.3	FOM=	0.85
INDE	-15	7	1	FOBS=	80.0	SIGMA=	10.0	PHAS=	140.1	FOM=	0.31
INDE	-15	7	2	FOBS=	93.0	SIGMA=	7.1	PHAS=	296.8	FOM=	0.47
INDE	-15	7	3	FOBS=	274.6	SIGMA=	2.4	PHAS=	136.3	FOM=	0.29
INDE	-15	7	4	FOBS=	253.1	SIGMA=	2.5	PHAS=	169.3	FOM=	0.96
INDE	-15	7	5	FOBS=	40.6	SIGMA=	16.9	PHAS=	359.1	FOM=	0.39
INDE	-15	7	6	FOBS=	136.3	SIGMA=	4.1	PHAS=	232.3	FOM=	0.84
INDE	-15	7	7	FOBS=	94.1	SIGMA=	5.4	PHAS=	170.5	FOM=	0.25
INDE	-15	7	8	FOBS=	187.8	SIGMA=	2.7	PHAS=	273.9	FOM=	0.94
INDE	-15	7	9	FOBS=	82.8	SIGMA=	6.0	PHAS=	191.8	FOM=	0.85
INDE	-15	7	10	FOBS=	181.9	SIGMA=	2.9	PHAS=	318.1	FOM=	0.91
INDE	-15	7	11	FOBS=	68.0	SIGMA=	7.3	PHAS=	182.5	FOM=	0.17
INDE	-15	8	1	FOBS=	69.6	SIGMA=	10.2	PHAS=	357.2	FOM=	0.09
INDE	-15	8	2	FOBS=	136.1	SIGMA=	5.5	PHAS=	245.0	FOM=	0.14
INDE	-15	8	3	FOBS=	141.4	SIGMA=	4.6	PHAS=	161.2	FOM=	0.75
INDE	-15	8	4	FOBS=	112.9	SIGMA=	5.3	PHAS=	265.5	FOM=	0.52
INDE	-15	8	5	FOBS=	169.1	SIGMA=	3.4	PHAS=	140.9	FOM=	0.05
INDE	-15	8	6	FOBS=	39.5	SIGMA=	17.3	PHAS=	82.1	FOM=	0.28
INDE	-15	8	7	FOBS=	89.8	SIGMA=	6.0	PHAS=	270.4	FOM=	0.72
INDE	-15	8	8	FOBS=	228.7	SIGMA=	2.4	PHAS=	126.6	FOM=	0.93
INDE	-15	8	9	FOBS=	257.4	SIGMA=	2.0	PHAS=	82.1	FOM=	0.53
INDE	-15	8	10	FOBS=	66.9	SIGMA=	7.5	PHAS=	162.7	FOM=	0.35
INDE	-15	8	11	FOBS=	123.8	SIGMA=	3.9	PHAS=	323.6	FOM=	0.60
INDE	-15	9	1	FOBS=	49.9	SIGMA=	14.3	PHAS=	225.1	FOM=	0.11
INDE	-15	9	2	FOBS=	49.4	SIGMA=	17.2	PHAS=	73.8	FOM=	0.12
INDE	-15	9	3	FOBS=	64.9	SIGMA=	15.5	PHAS=	285.6	FOM=	0.05
INDE	-15	9	4	FOBS=	69.6	SIGMA=	8.1	PHAS=	145.8	FOM=	0.20
INDE	-15	9	5	FOBS=	152.1	SIGMA=	3.8	PHAS=	69.9	FOM=	0.82
INDE	-15	9	6	FOBS=	135.5	SIGMA=	4.1	PHAS=	216.0	FOM=	0.80
INDE	-15	9	7	FOBS=	189.3	SIGMA=	2.7	PHAS=	6.6	FOM=	0.47
INDE	-15	9	8	FOBS=	245.0	SIGMA=	2.2	PHAS=	6.6	FOM=	0.88
INDE	-15	9	9	FOBS=	186.2	SIGMA=	2.4	PHAS=	13.1	FOM=	0.92
INDE	-15	9	10	FOBS=	79.1	SIGMA=	6.1	PHAS=	236.0	FOM=	0.55
INDE	-15	9	11	FOBS=	146.8	SIGMA=	5.5	PHAS=	165.2	FOM=	0.13
INDE	-15	10	1	FOBS=	86.2	SIGMA=	65.3	PHAS=	282.7	FOM=	0.23
INDE	-15	10	2	FOBS=	125.3	SIGMA=	5.6	PHAS=	130.0	FOM=	0.39
INDE	-15	10	3	FOBS=	51.7	SIGMA=	20.3	PHAS=	26.8	FOM=	0.19
INDE	-15	10	4	FOBS=	83.2	SIGMA=	6.4	PHAS=	246.3	FOM=	0.34
INDE	-15	10	5	FOBS=	83.1	SIGMA=	6.1	PHAS=	82.4	FOM=	0.10
INDE	-15	10	6	FOBS=	108.2	SIGMA=	4.5	PHAS=	311.8	FOM=	0.37
INDE	-15	10	7	FOBS=	225.5	SIGMA=	2.3	PHAS=	146.4	FOM=	0.99
INDE	-15	10	8	FOBS=	89.0	SIGMA=	5.1	PHAS=	11.3	FOM=	0.50
INDE	-15	10	9	FOBS=	127.4	SIGMA=	3.5	PHAS=	95.3	FOM=	0.71
INDE	-15	10	10	FOBS=	88.5	SIGMA=	7.5	PHAS=	6.1	FOM=	0.23
INDE	-15	10	11	FOBS=	134.6	SIGMA=	4.9	PHAS=	211.9	FOM=	0.19
INDE	-15	11	1	FOBS=	75.6	SIGMA=	8.2	PHAS=	38.3	FOM=	0.05

Fig. 10A-4

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INDE	-15	11	4	FOBS=	91.3	SIGMA=	78.9	PHAS=	117.0	FOM=	0.06
INDE	-15	11	5	FOBS=	42.0	SIGMA=	20.0	PHAS=	295.5	FOM=	0.10
INDE	-15	11	6	FOBS=	128.1	SIGMA=	4.0	PHAS=	255.2	FOM=	0.04
INDE	-15	11	7	FOBS=	63.7	SIGMA=	7.5	PHAS=	104.8	FOM=	0.53
INDE	-15	11	8	FOBS=	158.1	SIGMA=	3.0	PHAS=	1.7	FOM=	0.75
INDE	-15	11	9	FOBS=	120.3	SIGMA=	3.6	PHAS=	327.7	FOM=	0.54
INDE	-15	11	10	FOBS=	40.1	SIGMA=	14.6	PHAS=	103.1	FOM=	0.17
INDE	-15	12	1	FOBS=	108.8	SIGMA=	6.1	PHAS=	296.8	FOM=	0.11
INDE	-15	12	2	FOBS=	93.5	SIGMA=	6.8	PHAS=	19.4	FOM=	0.05
INDE	-15	12	3	FOBS=	57.2	SIGMA=	34.7	PHAS=	123.3	FOM=	0.11
INDE	-15	12	4	FOBS=	54.4	SIGMA=	11.9	PHAS=	2.7	FOM=	0.07
INDE	-15	12	5	FOBS=	84.1	SIGMA=	6.9	PHAS=	267.5	FOM=	0.23
INDE	-15	12	6	FOBS=	102.4	SIGMA=	5.1	PHAS=	155.0	FOM=	0.80
INDE	-15	12	7	FOBS=	99.3	SIGMA=	4.5	PHAS=	234.1	FOM=	0.54
INDE	-15	12	8	FOBS=	191.0	SIGMA=	2.6	PHAS=	224.6	FOM=	0.53
INDE	-15	12	9	FOBS=	50.7	SIGMA=	9.2	PHAS=	146.5	FOM=	0.25
INDE	-15	12	10	FOBS=	53.3	SIGMA=	15.4	PHAS=	314.8	FOM=	0.05
INDE	-15	13	1	FOBS=	69.3	SIGMA=	9.8	PHAS=	13.4	FOM=	0.04
INDE	-15	13	2	FOBS=	84.2	SIGMA=	7.5	PHAS=	105.3	FOM=	0.26
INDE	-15	13	3	FOBS=	58.8	SIGMA=	34.3	PHAS=	314.8	FOM=	0.16
INDE	-15	13	4	FOBS=	87.0	SIGMA=	6.5	PHAS=	212.0	FOM=	0.04
INDE	-15	13	5	FOBS=	103.8	SIGMA=	5.0	PHAS=	356.0	FOM=	0.19
INDE	-15	13	6	FOBS=	32.6	SIGMA=	8.9	PHAS=	93.0	FOM=	0.94
INDE	-15	13	7	FOBS=	97.6	SIGMA=	4.9	PHAS=	196.5	FOM=	0.18
INDE	-15	13	8	FOBS=	61.7	SIGMA=	7.0	PHAS=	345.8	FOM=	0.18
INDE	-15	13	9	FOBS=	109.0	SIGMA=	4.7	PHAS=	271.4	FOM=	0.15
INDE	-15	14	1	FOBS=	50.9	SIGMA=	12.5	PHAS=	106.4	FOM=	0.04
INDE	-15	14	2	FOBS=	36.2	SIGMA=	17.0	PHAS=	328.4	FOM=	0.34
INDE	-15	14	3	FOBS=	32.7	SIGMA=	17.7	PHAS=	132.0	FOM=	0.20
INDE	-15	14	4	FOBS=	64.8	SIGMA=	7.8	PHAS=	140.9	FOM=	0.01
INDE	-15	14	5	FOBS=	124.6	SIGMA=	4.0	PHAS=	68.5	FOM=	0.12
INDE	-15	14	6	FOBS=	183.6	SIGMA=	2.9	PHAS=	280.3	FOM=	0.59
INDE	-15	14	7	FOBS=	149.9	SIGMA=	3.3	PHAS=	44.8	FOM=	0.75
INDE	-15	14	8	FOBS=	59.9	SIGMA=	33.3	PHAS=	191.8	FOM=	0.14
INDE	-15	14	9	FOBS=	103.8	SIGMA=	6.4	PHAS=	129.3	FOM=	0.26
INDE	-15	15	1	FOBS=	47.8	SIGMA=	12.7	PHAS=	299.4	FOM=	0.06
INDE	-15	15	2	FOBS=	138.4	SIGMA=	4.2	PHAS=	150.5	FOM=	0.40
INDE	-15	15	3	FOBS=	81.8	SIGMA=	6.9	PHAS=	166.2	FOM=	0.34
INDE	-15	15	4	FOBS=	71.8	SIGMA=	7.3	PHAS=	156.8	FOM=	0.33
INDE	-15	15	5	FOBS=	57.4	SIGMA=	9.1	PHAS=	121.5	FOM=	0.04
INDE	-15	15	6	FOBS=	101.7	SIGMA=	4.4	PHAS=	315.7	FOM=	0.03
INDE	-15	15	7	FOBS=	74.7	SIGMA=	6.2	PHAS=	35.4	FOM=	0.25
INDE	-15	15	8	FOBS=	62.9	SIGMA=	15.3	PHAS=	285.3	FOM=	0.01
INDE	-15	16	1	FOBS=	58.1	SIGMA=	11.6	PHAS=	285.1	FOM=	0.02
INDE	-15	16	2	FOBS=	100.2	SIGMA=	5.8	PHAS=	73.4	FOM=	0.15
INDE	-15	16	3	FOBS=	58.3	SIGMA=	9.2	PHAS=	273.6	FOM=	0.20
INDE	-15	16	4	FOBS=	76.5	SIGMA=	48.3	PHAS=	103.9	FOM=	0.02
INDE	-15	16	5	FOBS=	78.6	SIGMA=	5.8	PHAS=	156.9	FOM=	0.28
INDE	-15	16	6	FOBS=	133.7	SIGMA=	3.3	PHAS=	268.5	FOM=	0.88
INDE	-15	16	7	FOBS=	48.6	SIGMA=	13.7	PHAS=	197.9	FOM=	0.08
INDE	-15	17	1	FOBS=	55.1	SIGMA=	12.0	PHAS=	30.6	FOM=	0.19
INDE	-15	17	2	FOBS=	136.5	SIGMA=	4.2	PHAS=	314.7	FOM=	0.33
INDE	-15	17	3	FOBS=	39.2	SIGMA=	16.9	PHAS=	184.2	FOM=	0.22
INDE	-15	17	4	FOBS=	160.1	SIGMA=	3.3	PHAS=	72.3	FOM=	0.92
INDE	-15	17	5	FOBS=	83.7	SIGMA=	49.6	PHAS=	42.1	FOM=	0.08
INDE	-15	18	1	FOBS=	52.0	SIGMA=	13.1	PHAS=	273.5	FOM=	0.13
INDE	-15	18	2	FOBS=	113.0	SIGMA=	5.2	PHAS=	94.4	FOM=	0.49
INDE	-15	18	3	FOBS=	156.4	SIGMA=	3.4	PHAS=	18.4	FOM=	0.83
INDE	-15	18	4	FOBS=	45.4	SIGMA=	11.6	PHAS=	157.3	FOM=	0.05
INDE	-14	0	2	FOBS=	125.0	SIGMA=	7.3	PHAS=	0.0	FOM=	0.12
INDE	-14	0	3	FOBS=	170.6	SIGMA=	5.5	PHAS=	180.0	FOM=	0.07
INDE	-14	0	4	FOBS=	240.5	SIGMA=	3.7	PHAS=	0.0	FOM=	0.32
INDE	-14	0	5	FOBS=	274.5	SIGMA=	3.1	PHAS=	180.0	FOM=	0.28
INDE	-14	0	6	FOBS=	73.9	SIGMA=	10.2	PHAS=	0.0	FOM=	0.12
INDE	-14	0	7	FOBS=	67.9	SIGMA=	95.1	PHAS=	180.0	FOM=	0.28
INDE	-14	0	8	FOBS=	53.8	SIGMA=	12.3	PHAS=	0.0	FOM=	0.14
INDE	-14	0	9	FOBS=	39.8	SIGMA=	29.2	PHAS=	0.0	FOM=	0.02
INDE	-14	0	10	FOBS=	266.0	SIGMA=	3.5	PHAS=	180.0	FOM=	1.00
INDE	-14	0	11	FOBS=	49.1	SIGMA=	11.3	PHAS=	0.0	FOM=	0.11
INDE	-14	0	12	FOBS=	146.3	SIGMA=	4.2	PHAS=	180.0	FOM=	0.02
INDE	-14	1	1	FOBS=	126.0	SIGMA=	5.4	PHAS=	64.7	FOM=	0.10

Fig. 10A-5

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INDE	-14	1	2	FOBS=	82.6	SIGMA=	7.8	PHAS=	223.2	FOM=	0.02
INDE	-14	1	3	FOBS=	142.0	SIGMA=	4.5	PHAS=	294.7	FOM=	0.39
INDE	-14	1	4	FOBS=	115.7	SIGMA=	5.3	PHAS=	121.8	FOM=	0.23
INDE	-14	1	5	FOBS=	76.5	SIGMA=	7.3	PHAS=	0.4	FOM=	0.22
INDE	-14	1	6	FOBS=	189.9	SIGMA=	3.0	PHAS=	210.6	FOM=	0.91
INDE	-14	1	7	FOBS=	48.0	SIGMA=	11.8	PHAS=	279.6	FOM=	0.11
INDE	-14	1	8	FOBS=	278.3	SIGMA=	2.0	PHAS=	278.0	FOM=	0.96
INDE	-14	1	9	FOBS=	159.7	SIGMA=	3.3	PHAS=	113.0	FOM=	0.94
INDE	-14	1	10	FOBS=	46.3	SIGMA=	14.2	PHAS=	278.8	FOM=	0.35
INDE	-14	1	11	FOBS=	99.1	SIGMA=	4.2	PHAS=	150.4	FOM=	0.38
INDE	-14	1	12	FOBS=	198.3	SIGMA=	2.1	PHAS=	336.4	FOM=	0.33
INDE	-14	1	13	FOBS=	48.2	SIGMA=	7.7	PHAS=	224.6	FOM=	0.17
INDE	-14	2	1	FOBS=	52.9	SIGMA=	13.0	PHAS=	132.6	FOM=	0.13
INDE	-14	2	2	FOBS=	177.3	SIGMA=	3.9	PHAS=	120.8	FOM=	0.38
INDE	-14	2	3	FOBS=	127.5	SIGMA=	4.9	PHAS=	343.6	FOM=	0.20
INDE	-14	2	4	FOBS=	174.9	SIGMA=	3.7	PHAS=	320.0	FOM=	0.08
INDE	-14	2	5	FOBS=	132.1	SIGMA=	4.4	PHAS=	338.1	FOM=	0.34
INDE	-14	2	6	FOBS=	85.0	SIGMA=	6.3	PHAS=	72.8	FOM=	0.08
INDE	-14	2	7	FOBS=	130.0	SIGMA=	4.1	PHAS=	273.3	FOM=	0.06
INDE	-14	2	8	FOBS=	304.1	SIGMA=	1.9	PHAS=	317.1	FOM=	0.90
INDE	-14	2	9	FOBS=	158.3	SIGMA=	3.2	PHAS=	115.0	FOM=	0.93
INDE	-14	2	10	FOBS=	51.5	SIGMA=	10.4	PHAS=	345.9	FOM=	0.25
INDE	-14	2	11	FOBS=	77.8	SIGMA=	5.2	PHAS=	77.5	FOM=	0.34
INDE	-14	2	12	FOBS=	79.6	SIGMA=	4.8	PHAS=	334.4	FOM=	0.65
INDE	-14	2	13	FOBS=	87.9	SIGMA=	4.0	PHAS=	181.2	FOM=	0.68
INDE	-14	3	1	FOBS=	99.8	SIGMA=	81.6	PHAS=	211.7	FOM=	0.14
INDE	-14	3	2	FOBS=	66.1	SIGMA=	11.4	PHAS=	313.2	FOM=	0.04
INDE	-14	3	3	FOBS=	188.7	SIGMA=	3.5	PHAS=	28.4	FOM=	0.77
INDE	-14	3	4	FOBS=	250.6	SIGMA=	2.5	PHAS=	120.4	FOM=	0.93
INDE	-14	3	5	FOBS=	43.5	SIGMA=	18.1	PHAS=	7.0	FOM=	0.13
INDE	-14	3	6	FOBS=	41.4	SIGMA=	15.6	PHAS=	62.1	FOM=	0.09
INDE	-14	3	7	FOBS=	77.7	SIGMA=	6.6	PHAS=	251.1	FOM=	0.21
INDE	-14	3	8	FOBS=	142.6	SIGMA=	3.8	PHAS=	69.6	FOM=	0.66
INDE	-14	3	9	FOBS=	79.8	SIGMA=	6.1	PHAS=	265.0	FOM=	0.30
INDE	-14	3	10	FOBS=	220.1	SIGMA=	2.5	PHAS=	309.6	FOM=	0.93
INDE	-14	3	11	FOBS=	50.6	SIGMA=	10.5	PHAS=	114.9	FOM=	0.58
INDE	-14	3	12	FOBS=	239.9	SIGMA=	1.8	PHAS=	246.6	FOM=	0.69
INDE	-14	3	13	FOBS=	173.5	SIGMA=	2.2	PHAS=	147.9	FOM=	0.92
INDE	-14	4	1	FOBS=	165.2	SIGMA=	4.2	PHAS=	127.0	FOM=	0.61
INDE	-14	4	2	FOBS=	37.5	SIGMA=	15.6	PHAS=	334.9	FOM=	0.20
INDE	-14	4	3	FOBS=	303.9	SIGMA=	2.2	PHAS=	58.5	FOM=	0.54
INDE	-14	4	4	FOBS=	254.1	SIGMA=	2.5	PHAS=	128.9	FOM=	0.87
INDE	-14	4	5	FOBS=	51.9	SIGMA=	13.5	PHAS=	354.7	FOM=	0.36
INDE	-14	4	6	FOBS=	60.3	SIGMA=	9.5	PHAS=	178.8	FOM=	0.27
INDE	-14	4	7	FOBS=	282.5	SIGMA=	2.0	PHAS=	96.6	FOM=	0.47
INDE	-14	4	8	FOBS=	325.0	SIGMA=	1.8	PHAS=	346.5	FOM=	1.00
INDE	-14	4	9	FOBS=	206.1	SIGMA=	2.4	PHAS=	201.3	FOM=	0.96
INDE	-14	4	10	FOBS=	179.2	SIGMA=	3.0	PHAS=	55.5	FOM=	0.53
INDE	-14	4	11	FOBS=	31.2	SIGMA=	19.1	PHAS=	121.6	FOM=	0.14
INDE	-14	4	12	FOBS=	207.1	SIGMA=	2.0	PHAS=	279.2	FOM=	0.70
INDE	-14	4	13	FOBS=	142.1	SIGMA=	3.5	PHAS=	324.2	FOM=	0.87
INDE	-14	5	1	FOBS=	156.7	SIGMA=	4.5	PHAS=	312.7	FOM=	0.55
INDE	-14	5	3	FOBS=	287.0	SIGMA=	2.3	PHAS=	58.6	FOM=	0.96
INDE	-14	5	4	FOBS=	114.9	SIGMA=	5.5	PHAS=	277.2	FOM=	0.81
INDE	-14	5	6	FOBS=	149.3	SIGMA=	3.8	PHAS=	84.0	FOM=	0.82
INDE	-14	5	7	FOBS=	235.5	SIGMA=	2.3	PHAS=	57.0	FOM=	0.93
INDE	-14	5	8	FOBS=	154.2	SIGMA=	3.4	PHAS=	215.8	FOM=	0.70
INDE	-14	5	9	FOBS=	194.6	SIGMA=	2.4	PHAS=	307.7	FOM=	0.36
INDE	-14	5	10	FOBS=	194.7	SIGMA=	2.3	PHAS=	107.2	FOM=	0.30
INDE	-14	5	11	FOBS=	26.8	SIGMA=	15.6	PHAS=	57.1	FOM=	0.50
INDE	-14	5	12	FOBS=	73.8	SIGMA=	5.4	PHAS=	283.8	FOM=	0.48
INDE	-14	5	13	FOBS=	225.6	SIGMA=	3.5	PHAS=	130.4	FOM=	0.85
INDE	-14	6	1	FOBS=	121.0	SIGMA=	120.2	PHAS=	225.7	FOM=	0.23
INDE	-14	6	2	FOBS=	73.5	SIGMA=	8.9	PHAS=	101.3	FOM=	0.33
INDE	-14	6	3	FOBS=	121.7	SIGMA=	5.1	PHAS=	225.4	FOM=	0.15
INDE	-14	6	4	FOBS=	276.9	SIGMA=	2.3	PHAS=	258.8	FOM=	0.89
INDE	-14	6	5	FOBS=	136.1	SIGMA=	4.5	PHAS=	85.6	FOM=	0.91
INDE	-14	6	7	FOBS=	163.3	SIGMA=	3.1	PHAS=	140.3	FOM=	0.52
INDE	-14	6	8	FOBS=	202.7	SIGMA=	2.5	PHAS=	332.2	FOM=	0.83
INDE	-14	6	9	FOBS=	114.2	SIGMA=	4.0	PHAS=	144.3	FOM=	0.76
INDE	-14	6	10	FOBS=	133.0	SIGMA=	3.6	PHAS=	5.0	FOM=	0.93

Fig. 10A-6

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INDE	-14	6	11	FOBS=	134.3	SIGMA=	3.3	PHAS=	215.1	FOM=	0.38
INDE	-14	6	12	FOBS=	115.4	SIGMA=	3.4	PHAS=	99.0	FOM=	0.74
INDE	-14	7	1	FOBS=	99.1	SIGMA=	7.6	PHAS=	152.8	FOM=	0.23
INDE	-14	7	2	FOBS=	93.0	SIGMA=	6.8	PHAS=	36.2	FOM=	0.45
INDE	-14	7	3	FOBS=	74.0	SIGMA=	8.1	PHAS=	36.3	FOM=	0.16
INDE	-14	7	4	FOBS=	260.2	SIGMA=	2.3	PHAS=	236.3	FOM=	0.74
INDE	-14	7	5	FOBS=	362.6	SIGMA=	1.7	PHAS=	296.4	FOM=	0.94
INDE	-14	7	6	FOBS=	40.1	SIGMA=	13.0	PHAS=	21.9	FOM=	0.12
INDE	-14	7	7	FOBS=	140.0	SIGMA=	3.8	PHAS=	303.2	FOM=	0.83
INDE	-14	7	8	FOBS=	124.7	SIGMA=	4.3	PHAS=	125.6	FOM=	0.87
INDE	-14	7	9	FOBS=	213.3	SIGMA=	2.2	PHAS=	61.1	FOM=	0.96
INDE	-14	7	10	FOBS=	136.5	SIGMA=	3.2	PHAS=	270.6	FOM=	0.34
INDE	-14	7	11	FOBS=	207.1	SIGMA=	2.2	PHAS=	93.4	FOM=	0.97
INDE	-14	7	12	FOBS=	154.1	SIGMA=	2.6	PHAS=	274.8	FOM=	0.91
INDE	-14	8	1	FOBS=	82.9	SIGMA=	8.5	PHAS=	290.6	FOM=	0.28
INDE	-14	8	2	FOBS=	50.5	SIGMA=	25.7	PHAS=	41.7	FOM=	0.17
INDE	-14	8	3	FOBS=	306.9	SIGMA=	2.2	PHAS=	33.3	FOM=	0.41
INDE	-14	8	4	FOBS=	124.0	SIGMA=	4.6	PHAS=	236.6	FOM=	0.26
INDE	-14	8	5	FOBS=	154.7	SIGMA=	3.7	PHAS=	173.7	FOM=	0.80
INDE	-14	8	6	FOBS=	64.2	SIGMA=	8.6	PHAS=	257.4	FOM=	0.53
INDE	-14	8	7	FOBS=	250.3	SIGMA=	2.2	PHAS=	151.9	FOM=	0.95
INDE	-14	8	8	FOBS=	123.5	SIGMA=	3.9	PHAS=	31.2	FOM=	0.23
INDE	-14	8	9	FOBS=	130.9	SIGMA=	3.7	PHAS=	301.1	FOM=	0.85
INDE	-14	8	10	FOBS=	36.1	SIGMA=	13.2	PHAS=	105.6	FOM=	0.53
INDE	-14	8	11	FOBS=	114.3	SIGMA=	3.8	PHAS=	2.0	FOM=	0.28
INDE	-14	8	12	FOBS=	139.8	SIGMA=	2.8	PHAS=	166.0	FOM=	0.60
INDE	-14	9	1	FOBS=	123.1	SIGMA=	5.6	PHAS=	123.6	FOM=	0.17
INDE	-14	9	2	FOBS=	145.7	SIGMA=	4.7	PHAS=	71.4	FOM=	0.57
INDE	-14	9	3	FOBS=	74.6	SIGMA=	8.9	PHAS=	233.5	FOM=	0.16
INDE	-14	9	4	FOBS=	156.2	SIGMA=	3.8	PHAS=	104.1	FOM=	0.81
INDE	-14	9	5	FOBS=	57.6	SIGMA=	9.3	PHAS=	267.3	FOM=	0.18
INDE	-14	9	6	FOBS=	129.7	SIGMA=	4.1	PHAS=	67.9	FOM=	0.79
INDE	-14	9	7	FOBS=	35.4	SIGMA=	15.6	PHAS=	345.6	FOM=	0.24
INDE	-14	9	8	FOBS=	229.8	SIGMA=	2.3	PHAS=	235.2	FOM=	0.97
INDE	-14	9	9	FOBS=	192.5	SIGMA=	2.8	PHAS=	119.9	FOM=	0.98
INDE	-14	9	10	FOBS=	176.9	SIGMA=	2.4	PHAS=	250.7	FOM=	0.71
INDE	-14	9	11	FOBS=	120.0	SIGMA=	3.5	PHAS=	256.8	FOM=	0.45
INDE	-14	9	12	FOBS=	52.1	SIGMA=	7.2	PHAS=	29.1	FOM=	0.16
INDE	-14	10	1	FOBS=	115.0	SIGMA=	6.0	PHAS=	14.0	FOM=	0.22
INDE	-14	10	2	FOBS=	294.8	SIGMA=	2.3	PHAS=	30.8	FOM=	0.85
INDE	-14	10	3	FOBS=	54.4	SIGMA=	14.5	PHAS=	294.3	FOM=	0.11
INDE	-14	10	4	FOBS=	90.3	SIGMA=	6.6	PHAS=	338.8	FOM=	0.11
INDE	-14	10	5	FOBS=	91.8	SIGMA=	5.8	PHAS=	161.4	FOM=	0.57
INDE	-14	10	6	FOBS=	69.1	SIGMA=	7.3	PHAS=	282.2	FOM=	0.38
INDE	-14	10	7	FOBS=	64.7	SIGMA=	7.3	PHAS=	198.1	FOM=	0.10
INDE	-14	10	8	FOBS=	62.5	SIGMA=	7.0	PHAS=	68.1	FOM=	0.15
INDE	-14	10	9	FOBS=	323.6	SIGMA=	1.9	PHAS=	286.4	FOM=	0.82
INDE	-14	10	10	FOBS=	157.8	SIGMA=	2.7	PHAS=	230.7	FOM=	0.78
INDE	-14	10	11	FOBS=	167.4	SIGMA=	2.3	PHAS=	320.5	FOM=	0.43
INDE	-14	10	12	FOBS=	182.1	SIGMA=	3.6	PHAS=	108.7	FOM=	0.76
INDE	-14	11	1	FOBS=	88.9	SIGMA=	7.5	PHAS=	114.6	FOM=	0.23
INDE	-14	11	2	FOBS=	64.7	SIGMA=	9.7	PHAS=	349.9	FOM=	0.09
INDE	-14	11	3	FOBS=	166.0	SIGMA=	3.9	PHAS=	302.7	FOM=	0.74
INDE	-14	11	4	FOBS=	99.2	SIGMA=	6.6	PHAS=	88.4	FOM=	0.43
INDE	-14	11	5	FOBS=	86.5	SIGMA=	6.3	PHAS=	325.9	FOM=	0.29
INDE	-14	11	6	FOBS=	163.5	SIGMA=	3.0	PHAS=	25.0	FOM=	0.84
INDE	-14	11	7	FOBS=	162.8	SIGMA=	3.0	PHAS=	55.9	FOM=	0.50
INDE	-14	11	8	FOBS=	124.3	SIGMA=	3.6	PHAS=	13.4	FOM=	0.14
INDE	-14	11	9	FOBS=	258.1	SIGMA=	2.2	PHAS=	180.3	FOM=	0.93
INDE	-14	11	10	FOBS=	42.8	SIGMA=	9.6	PHAS=	355.7	FOM=	0.16
INDE	-14	11	11	FOBS=	73.2	SIGMA=	5.2	PHAS=	16.5	FOM=	0.28
INDE	-14	12	1	FOBS=	45.3	SIGMA=	24.6	PHAS=	297.5	FOM=	0.05
INDE	-14	12	2	FOBS=	80.2	SIGMA=	8.2	PHAS=	233.4	FOM=	0.26
INDE	-14	12	3	FOBS=	140.2	SIGMA=	4.4	PHAS=	117.5	FOM=	0.39
INDE	-14	12	4	FOBS=	147.4	SIGMA=	4.1	PHAS=	255.7	FOM=	0.11
INDE	-14	12	6	FOBS=	155.4	SIGMA=	3.4	PHAS=	42.0	FOM=	0.11
INDE	-14	12	7	FOBS=	28.0	SIGMA=	15.4	PHAS=	123.3	FOM=	0.34
INDE	-14	12	8	FOBS=	99.2	SIGMA=	4.3	PHAS=	357.4	FOM=	0.08
INDE	-14	12	9	FOBS=	173.8	SIGMA=	3.0	PHAS=	277.3	FOM=	0.92
INDE	-14	12	10	FOBS=	118.3	SIGMA=	3.3	PHAS=	113.1	FOM=	0.36
INDE	-14	12	11	FOBS=	130.3	SIGMA=	3.0	PHAS=	345.9	FOM=	0.84

Fig. 10A-7

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INDE	-14	13	1	FOBS=	127.6	SIGMA=	5.4	PHAS=	308.3	FOM=	0.14
INDE	-14	13	2	FOBS=	64.6	SIGMA=	11.0	PHAS=	31.0	FOM=	0.03
INDE	-14	13	3	FOBS=	183.3	SIGMA=	3.3	PHAS=	145.1	FOM=	0.87
INDE	-14	13	4	FOBS=	94.3	SIGMA=	6.2	PHAS=	271.9	FOM=	0.52
INDE	-14	13	5	FOBS=	40.2	SIGMA=	19.0	PHAS=	55.2	FOM=	0.08
INDE	-14	13	6	FOBS=	117.6	SIGMA=	4.6	PHAS=	67.7	FOM=	0.15
INDE	-14	13	7	FOBS=	129.7	SIGMA=	3.7	PHAS=	15.3	FOM=	0.05
INDE	-14	13	8	FOBS=	61.6	SIGMA=	6.7	PHAS=	305.1	FOM=	0.11
INDE	-14	13	9	FOBS=	49.8	SIGMA=	8.5	PHAS=	175.8	FOM=	0.05
INDE	-14	13	10	FOBS=	68.0	SIGMA=	5.4	PHAS=	24.3	FOM=	0.19
INDE	-14	13	11	FOBS=	95.7	SIGMA=	6.1	PHAS=	203.8	FOM=	0.62
INDE	-14	14	1	FOBS=	103.7	SIGMA=	9.8	PHAS=	230.5	FOM=	0.11
INDE	-14	14	2	FOBS=	109.6	SIGMA=	5.7	PHAS=	126.3	FOM=	0.26
INDE	-14	14	3	FOBS=	94.3	SIGMA=	6.1	PHAS=	153.1	FOM=	0.09
INDE	-14	14	4	FOBS=	108.2	SIGMA=	5.1	PHAS=	191.1	FOM=	0.67
INDE	-14	14	5	FOBS=	90.4	SIGMA=	5.7	PHAS=	102.1	FOM=	0.44
INDE	-14	14	6	FOBS=	221.8	SIGMA=	2.2	PHAS=	213.9	FOM=	0.69
INDE	-14	14	7	FOBS=	94.9	SIGMA=	5.2	PHAS=	351.3	FOM=	0.70
INDE	-14	14	8	FOBS=	108.6	SIGMA=	4.1	PHAS=	104.4	FOM=	0.64
INDE	-14	14	9	FOBS=	78.6	SIGMA=	4.6	PHAS=	75.5	FOM=	0.10
INDE	-14	14	10	FOBS=	91.9	SIGMA=	3.9	PHAS=	325.7	FOM=	0.17
INDE	-14	15	1	FOBS=	58.2	SIGMA=	12.2	PHAS=	78.6	FOM=	0.10
INDE	-14	15	2	FOBS=	134.7	SIGMA=	5.1	PHAS=	8.9	FOM=	0.16
INDE	-14	15	3	FOBS=	49.4	SIGMA=	29.1	PHAS=	165.2	FOM=	0.15
INDE	-14	15	4	FOBS=	187.6	SIGMA=	3.1	PHAS=	355.9	FOM=	0.85
INDE	-14	15	5	FOBS=	79.8	SIGMA=	6.1	PHAS=	74.3	FOM=	0.26
INDE	-14	15	6	FOBS=	72.9	SIGMA=	6.1	PHAS=	248.5	FOM=	0.02
INDE	-14	15	7	FOBS=	122.5	SIGMA=	3.6	PHAS=	357.4	FOM=	0.91
INDE	-14	15	8	FOBS=	172.4	SIGMA=	2.9	PHAS=	211.8	FOM=	0.95
INDE	-14	15	9	FOBS=	150.2	SIGMA=	3.7	PHAS=	274.1	FOM=	0.64
INDE	-14	15	10	FOBS=	106.1	SIGMA=	3.0	PHAS=	244.1	FOM=	0.45
INDE	-14	16	1	FOBS=	126.9	SIGMA=	4.9	PHAS=	196.3	FOM=	0.59
INDE	-14	16	2	FOBS=	81.3	SIGMA=	8.2	PHAS=	44.4	FOM=	0.12
INDE	-14	16	3	FOBS=	38.4	SIGMA=	16.2	PHAS=	294.5	FOM=	0.01
INDE	-14	16	4	FOBS=	99.9	SIGMA=	5.2	PHAS=	234.0	FOM=	0.11
INDE	-14	16	5	FOBS=	81.9	SIGMA=	6.1	PHAS=	119.7	FOM=	0.43
INDE	-14	16	6	FOBS=	156.0	SIGMA=	2.9	PHAS=	288.8	FOM=	0.91
INDE	-14	16	7	FOBS=	85.5	SIGMA=	4.6	PHAS=	59.7	FOM=	0.43
INDE	-14	16	8	FOBS=	51.9	SIGMA=	8.3	PHAS=	238.7	FOM=	0.19
INDE	-14	16	9	FOBS=	89.8	SIGMA=	3.9	PHAS=	64.9	FOM=	0.49
INDE	-14	17	1	FOBS=	51.2	SIGMA=	11.8	PHAS=	120.3	FOM=	0.49
INDE	-14	17	2	FOBS=	103.5	SIGMA=	5.6	PHAS=	1.4	FOM=	0.67
INDE	-14	17	3	FOBS=	64.0	SIGMA=	10.5	PHAS=	182.8	FOM=	0.46
INDE	-14	17	4	FOBS=	79.3	SIGMA=	6.5	PHAS=	16.8	FOM=	0.24
INDE	-14	17	5	FOBS=	48.7	SIGMA=	22.6	PHAS=	240.5	FOM=	0.05
INDE	-14	17	6	FOBS=	56.1	SIGMA=	8.0	PHAS=	147.8	FOM=	0.03
INDE	-14	17	7	FOBS=	160.1	SIGMA=	2.5	PHAS=	144.1	FOM=	0.77
INDE	-14	17	8	FOBS=	136.5	SIGMA=	4.5	PHAS=	261.3	FOM=	0.81
INDE	-14	17	9	FOBS=	75.2	SIGMA=	34.9	PHAS=	42.8	FOM=	0.01
INDE	-14	18	1	FOBS=	86.8	SIGMA=	6.5	PHAS=	251.8	FOM=	0.19
INDE	-14	18	2	FOBS=	106.0	SIGMA=	5.2	PHAS=	168.3	FOM=	0.35
INDE	-14	18	3	FOBS=	77.1	SIGMA=	6.6	PHAS=	220.2	FOM=	0.19
INDE	-14	18	4	FOBS=	117.9	SIGMA=	4.6	PHAS=	343.1	FOM=	0.17
INDE	-14	18	5	FOBS=	95.8	SIGMA=	4.8	PHAS=	148.8	FOM=	0.63
INDE	-14	18	6	FOBS=	62.4	SIGMA=	5.9	PHAS=	9.5	FOM=	0.47
INDE	-14	18	7	FOBS=	139.2	SIGMA=	2.6	PHAS=	204.9	FOM=	0.78
INDE	-14	18	8	FOBS=	91.7	SIGMA=	7.3	PHAS=	161.3	FOM=	0.22
INDE	-14	19	1	FOBS=	148.5	SIGMA=	98.5	PHAS=	59.4	FOM=	0.05
INDE	-14	19	2	FOBS=	53.2	SIGMA=	10.4	PHAS=	56.0	FOM=	0.04
INDE	-14	19	3	FOBS=	79.7	SIGMA=	7.0	PHAS=	219.4	FOM=	0.49
INDE	-14	19	4	FOBS=	68.1	SIGMA=	7.3	PHAS=	109.1	FOM=	0.25
INDE	-14	19	5	FOBS=	35.0	SIGMA=	14.9	PHAS=	347.0	FOM=	0.08
INDE	-14	19	6	FOBS=	85.5	SIGMA=	4.2	PHAS=	312.1	FOM=	0.85
INDE	-14	19	7	FOBS=	109.3	SIGMA=	3.0	PHAS=	12.6	FOM=	0.82
INDE	-14	20	1	FOBS=	67.4	SIGMA=	26.5	PHAS=	0.4	FOM=	0.13
INDE	-14	20	2	FOBS=	54.4	SIGMA=	17.2	PHAS=	187.7	FOM=	0.28
INDE	-14	20	3	FOBS=	56.4	SIGMA=	9.0	PHAS=	30.9	FOM=	0.04
INDE	-14	20	4	FOBS=	118.9	SIGMA=	4.0	PHAS=	240.8	FOM=	0.18
INDE	-14	20	5	FOBS=	73.7	SIGMA=	6.0	PHAS=	359.0	FOM=	0.54
INDE	-14	20	6	FOBS=	83.2	SIGMA=	5.6	PHAS=	257.1	FOM=	0.58
INDE	-14	21	1	FOBS=	83.5	SIGMA=	21.7	PHAS=	231.7	FOM=	0.06

Fig. 10A-8

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INDE	-14	21	3	FOBS=	55.0	SIGMA=	11.7	PHAS=	342.9	FOM=	0.14
INDE	-14	21	4	FOBS=	46.7	SIGMA=	22.6	PHAS=	160.8	FOM=	0.17
INDE	-13	0	1	FOBS=	481.6	SIGMA=	2.6	PHAS=	180.0	FOM=	0.67
INDE	-13	0	2	FOBS=	193.5	SIGMA=	4.7	PHAS=	0.0	FOM=	0.87
INDE	-13	0	3	FOBS=	164.1	SIGMA=	5.5	PHAS=	0.0	FOM=	0.53
INDE	-13	0	4	FOBS=	111.4	SIGMA=	6.9	PHAS=	0.0	FOM=	0.56
INDE	-13	0	5	FOBS=	103.6	SIGMA=	7.5	PHAS=	180.0	FOM=	0.19
INDE	-13	0	6	FOBS=	307.0	SIGMA=	2.7	PHAS=	0.0	FOM=	0.48
INDE	-13	0	7	FOBS=	371.0	SIGMA=	2.3	PHAS=	0.0	FOM=	0.05
INDE	-13	0	8	FOBS=	69.6	SIGMA=	9.5	PHAS=	180.0	FOM=	0.09
INDE	-13	0	9	FOBS=	130.5	SIGMA=	5.1	PHAS=	180.0	FOM=	0.10
INDE	-13	0	10	FOBS=	159.2	SIGMA=	4.4	PHAS=	0.0	FOM=	0.99
INDE	-13	0	11	FOBS=	117.0	SIGMA=	5.4	PHAS=	180.0	FOM=	0.96
INDE	-13	0	13	FOBS=	163.7	SIGMA=	3.1	PHAS=	180.0	FOM=	0.80
INDE	-13	0	14	FOBS=	69.0	SIGMA=	8.1	PHAS=	180.0	FOM=	0.67
INDE	-13	1	1	FOBS=	165.5	SIGMA=	4.1	PHAS=	101.0	FOM=	0.09
INDE	-13	1	2	FOBS=	115.1	SIGMA=	5.5	PHAS=	8.0	FOM=	0.43
INDE	-13	1	3	FOBS=	101.2	SIGMA=	5.9	PHAS=	125.9	FOM=	0.44
INDE	-13	1	4	FOBS=	286.1	SIGMA=	2.1	PHAS=	331.8	FOM=	0.73
INDE	-13	1	5	FOBS=	207.1	SIGMA=	2.8	PHAS=	114.9	FOM=	0.76
INDE	-13	1	6	FOBS=	232.6	SIGMA=	2.4	PHAS=	346.5	FOM=	0.61
INDE	-13	1	7	FOBS=	152.9	SIGMA=	3.5	PHAS=	202.5	FOM=	0.45
INDE	-13	1	8	FOBS=	384.8	SIGMA=	1.6	PHAS=	155.6	FOM=	0.90
INDE	-13	1	9	FOBS=	57.8	SIGMA=	7.9	PHAS=	325.0	FOM=	0.47
INDE	-13	1	10	FOBS=	169.6	SIGMA=	2.5	PHAS=	299.6	FOM=	0.88
INDE	-13	1	11	FOBS=	401.1	SIGMA=	1.3	PHAS=	226.0	FOM=	0.61
INDE	-13	1	12	FOBS=	143.1	SIGMA=	2.9	PHAS=	274.4	FOM=	0.90
INDE	-13	1	13	FOBS=	142.4	SIGMA=	2.7	PHAS=	183.6	FOM=	0.89
INDE	-13	1	14	FOBS=	171.3	SIGMA=	2.2	PHAS=	352.6	FOM=	0.46
INDE	-13	2	1	FOBS=	100.1	SIGMA=	6.5	PHAS=	330.4	FOM=	0.14
INDE	-13	2	2	FOBS=	68.8	SIGMA=	9.0	PHAS=	280.8	FOM=	0.09
INDE	-13	2	3	FOBS=	223.8	SIGMA=	2.8	PHAS=	199.6	FOM=	0.93
INDE	-13	2	4	FOBS=	150.5	SIGMA=	4.4	PHAS=	263.4	FOM=	0.70
INDE	-13	2	5	FOBS=	102.5	SIGMA=	5.6	PHAS=	299.6	FOM=	0.47
INDE	-13	2	6	FOBS=	121.4	SIGMA=	4.8	PHAS=	178.0	FOM=	0.84
INDE	-13	2	7	FOBS=	99.3	SIGMA=	5.1	PHAS=	283.1	FOM=	0.54
INDE	-13	2	8	FOBS=	219.9	SIGMA=	2.4	PHAS=	70.6	FOM=	0.95
INDE	-13	2	9	FOBS=	207.6	SIGMA=	2.3	PHAS=	221.8	FOM=	0.96
INDE	-13	2	10	FOBS=	154.5	SIGMA=	3.3	PHAS=	95.7	FOM=	0.87
INDE	-13	2	11	FOBS=	309.9	SIGMA=	1.5	PHAS=	241.6	FOM=	0.62
INDE	-13	2	12	FOBS=	67.0	SIGMA=	5.9	PHAS=	333.7	FOM=	0.39
INDE	-13	2	13	FOBS=	188.7	SIGMA=	2.0	PHAS=	339.6	FOM=	0.94
INDE	-13	2	14	FOBS=	228.3	SIGMA=	1.8	PHAS=	81.1	FOM=	0.96
INDE	-13	3	2	FOBS=	142.7	SIGMA=	4.5	PHAS=	62.0	FOM=	0.23
INDE	-13	3	3	FOBS=	252.1	SIGMA=	2.5	PHAS=	344.2	FOM=	0.23
INDE	-13	3	4	FOBS=	278.6	SIGMA=	2.2	PHAS=	195.1	FOM=	0.90
INDE	-13	3	5	FOBS=	354.0	SIGMA=	1.8	PHAS=	314.6	FOM=	0.96
INDE	-13	3	6	FOBS=	323.7	SIGMA=	1.9	PHAS=	256.7	FOM=	0.94
INDE	-13	3	7	FOBS=	109.5	SIGMA=	4.7	PHAS=	332.2	FOM=	0.54
INDE	-13	3	8	FOBS=	164.3	SIGMA=	3.0	PHAS=	198.0	FOM=	0.89
INDE	-13	3	9	FOBS=	66.3	SIGMA=	6.9	PHAS=	283.2	FOM=	0.42
INDE	-13	3	10	FOBS=	54.5	SIGMA=	8.6	PHAS=	51.8	FOM=	0.31
INDE	-13	3	11	FOBS=	67.4	SIGMA=	5.9	PHAS=	119.2	FOM=	0.27
INDE	-13	3	12	FOBS=	156.8	SIGMA=	2.5	PHAS=	273.0	FOM=	0.19
INDE	-13	3	13	FOBS=	236.6	SIGMA=	1.7	PHAS=	135.3	FOM=	0.85
INDE	-13	3	14	FOBS=	192.5	SIGMA=	3.3	PHAS=	14.6	FOM=	0.89
INDE	-13	4	1	FOBS=	182.8	SIGMA=	3.7	PHAS=	354.0	FOM=	0.38
INDE	-13	4	2	FOBS=	156.7	SIGMA=	4.2	PHAS=	134.2	FOM=	0.14
INDE	-13	4	3	FOBS=	240.4	SIGMA=	2.6	PHAS=	238.8	FOM=	0.92
INDE	-13	4	4	FOBS=	203.0	SIGMA=	3.0	PHAS=	332.8	FOM=	0.75
INDE	-13	4	5	FOBS=	46.3	SIGMA=	12.7	PHAS=	169.7	FOM=	0.19
INDE	-13	4	6	FOBS=	181.3	SIGMA=	3.0	PHAS=	300.6	FOM=	0.27
INDE	-13	4	7	FOBS=	144.0	SIGMA=	3.7	PHAS=	63.0	FOM=	0.77
INDE	-13	4	8	FOBS=	203.2	SIGMA=	2.5	PHAS=	235.1	FOM=	0.97
INDE	-13	4	9	FOBS=	168.7	SIGMA=	3.0	PHAS=	227.2	FOM=	0.93
INDE	-13	4	10	FOBS=	207.2	SIGMA=	2.4	PHAS=	287.6	FOM=	0.73
INDE	-13	4	11	FOBS=	251.3	SIGMA=	1.8	PHAS=	265.8	FOM=	0.95
INDE	-13	4	12	FOBS=	243.4	SIGMA=	1.7	PHAS=	44.3	FOM=	0.41
INDE	-13	4	13	FOBS=	143.8	SIGMA=	2.7	PHAS=	89.0	FOM=	0.73
INDE	-13	4	14	FOBS=	178.1	SIGMA=	5.1	PHAS=	138.7	FOM=	0.30
INDE	-13	5	1	FOBS=	137.4	SIGMA=	4.9	PHAS=	21.8	FOM=	0.49

Fig. 10A-9



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INDE	-13	5	2	FOBS=	151.2	SIGMA=	4.3	PHAS=	149.7	FOM=	0.14
INDE	-13	5	3	FOBS=	118.8	SIGMA=	5.0	PHAS=	59.8	FOM=	0.10
INDE	-13	5	4	FOBS=	144.0	SIGMA=	4.1	PHAS=	239.1	FOM=	0.09
INDE	-13	5	5	FOBS=	94.0	SIGMA=	5.8	PHAS=	46.6	FOM=	0.15
INDE	-13	5	6	FOBS=	132.8	SIGMA=	4.0	PHAS=	232.4	FOM=	0.11
INDE	-13	5	7	FOBS=	191.0	SIGMA=	2.8	PHAS=	164.2	FOM=	0.90
INDE	-13	5	8	FOBS=	154.0	SIGMA=	3.1	PHAS=	26.6	FOM=	0.15
INDE	-13	5	9	FOBS=	187.1	SIGMA=	2.9	PHAS=	211.0	FOM=	0.87
INDE	-13	10	10	FOBS=	188.0	SIGMA=	2.6	PHAS=	37.0	FOM=	0.93
INDE	-13	11	11	FOBS=	75.2	SIGMA=	5.4	PHAS=	237.8	FOM=	0.50
INDE	-13	12	12	FOBS=	108.9	SIGMA=	3.6	PHAS=	286.9	FOM=	0.89
INDE	-13	13	13	FOBS=	136.5	SIGMA=	2.8	PHAS=	50.9	FOM=	0.87
INDE	-13	6	1	FOBS=	108.8	SIGMA=	6.1	PHAS=	262.7	FOM=	0.43
INDE	-13	6	2	FOBS=	111.6	SIGMA=	5.6	PHAS=	1.6	FOM=	0.36
INDE	-13	6	3	FOBS=	182.7	SIGMA=	3.5	PHAS=	217.1	FOM=	0.90
INDE	-13	6	4	FOBS=	289.4	SIGMA=	2.1	PHAS=	339.4	FOM=	0.97
INDE	-13	6	5	FOBS=	147.7	SIGMA=	3.9	PHAS=	313.7	FOM=	0.87
INDE	-13	6	6	FOBS=	189.7	SIGMA=	2.8	PHAS=	26.6	FOM=	0.83
INDE	-13	6	7	FOBS=	205.2	SIGMA=	2.6	PHAS=	71.4	FOM=	0.96
INDE	-13	6	8	FOBS=	153.1	SIGMA=	3.3	PHAS=	280.9	FOM=	0.90
INDE	-13	6	9	FOBS=	98.5	SIGMA=	5.4	PHAS=	88.7	FOM=	0.46
INDE	-13	6	10	FOBS=	240.0	SIGMA=	2.1	PHAS=	108.6	FOM=	0.12
INDE	-13	6	11	FOBS=	166.8	SIGMA=	2.6	PHAS=	267.3	FOM=	0.96
INDE	-13	6	12	FOBS=	209.7	SIGMA=	1.9	PHAS=	38.1	FOM=	1.00
INDE	-13	6	13	FOBS=	222.2	SIGMA=	1.8	PHAS=	185.0	FOM=	0.97
INDE	-13	7	1	FOBS=	153.2	SIGMA=	5.0	PHAS=	280.0	FOM=	0.51
INDE	-13	7	2	FOBS=	81.3	SIGMA=	7.4	PHAS=	103.2	FOM=	0.28
INDE	-13	7	3	FOBS=	163.9	SIGMA=	3.9	PHAS=	257.6	FOM=	0.85
INDE	-13	7	4	FOBS=	76.6	SIGMA=	7.2	PHAS=	310.9	FOM=	0.24
INDE	-13	7	5	FOBS=	40.7	SIGMA=	16.2	PHAS=	134.3	FOM=	0.34
INDE	-13	7	6	FOBS=	269.8	SIGMA=	2.1	PHAS=	40.1	FOM=	0.96
INDE	-13	7	7	FOBS=	230.0	SIGMA=	2.3	PHAS=	214.0	FOM=	0.31
INDE	-13	7	8	FOBS=	167.0	SIGMA=	2.9	PHAS=	93.9	FOM=	0.66
INDE	-13	7	9	FOBS=	145.8	SIGMA=	3.6	PHAS=	352.1	FOM=	0.20
INDE	-13	7	10	FOBS=	59.2	SIGMA=	7.8	PHAS=	106.5	FOM=	0.16
INDE	-13	7	11	FOBS=	115.1	SIGMA=	3.5	PHAS=	316.0	FOM=	0.53
INDE	-13	7	12	FOBS=	56.8	SIGMA=	6.4	PHAS=	78.9	FOM=	0.12
INDE	-13	7	13	FOBS=	131.2	SIGMA=	3.0	PHAS=	188.8	FOM=	0.81
INDE	-13	8	1	FOBS=	62.9	SIGMA=	14.2	PHAS=	125.0	FOM=	0.13
INDE	-13	8	2	FOBS=	211.0	SIGMA=	3.6	PHAS=	332.6	FOM=	0.71
INDE	-13	8	3	FOBS=	97.1	SIGMA=	6.2	PHAS=	230.6	FOM=	0.68
INDE	-13	8	4	FOBS=	168.7	SIGMA=	3.6	PHAS=	79.7	FOM=	0.96
INDE	-13	8	5	FOBS=	135.6	SIGMA=	3.9	PHAS=	66.2	FOM=	0.42
INDE	-13	8	6	FOBS=	172.6	SIGMA=	3.0	PHAS=	313.3	FOM=	0.60
INDE	-13	8	7	FOBS=	86.5	SIGMA=	5.6	PHAS=	133.1	FOM=	0.48
INDE	-13	8	8	FOBS=	165.6	SIGMA=	2.9	PHAS=	336.4	FOM=	0.80
INDE	-13	8	9	FOBS=	119.2	SIGMA=	4.3	PHAS=	55.0	FOM=	0.36
INDE	-13	10	10	FOBS=	236.6	SIGMA=	2.1	PHAS=	274.7	FOM=	0.90
INDE	-13	11	11	FOBS=	129.2	SIGMA=	3.1	PHAS=	272.7	FOM=	0.56
INDE	-13	12	12	FOBS=	170.3	SIGMA=	2.2	PHAS=	142.0	FOM=	0.16
INDE	-13	13	13	FOBS=	88.9	SIGMA=	4.0	PHAS=	64.5	FOM=	0.68
INDE	-13	9	1	FOBS=	196.2	SIGMA=	3.6	PHAS=	325.2	FOM=	0.86
INDE	-13	9	2	FOBS=	105.1	SIGMA=	6.2	PHAS=	244.1	FOM=	0.55
INDE	-13	9	3	FOBS=	114.3	SIGMA=	6.2	PHAS=	55.2	FOM=	0.56
INDE	-13	9	4	FOBS=	184.0	SIGMA=	3.1	PHAS=	172.5	FOM=	0.05
INDE	-13	9	5	FOBS=	181.3	SIGMA=	3.0	PHAS=	180.1	FOM=	0.44
INDE	-13	9	6	FOBS=	124.6	SIGMA=	4.3	PHAS=	8.6	FOM=	0.87
INDE	-13	9	7	FOBS=	67.3	SIGMA=	7.2	PHAS=	168.5	FOM=	0.37
INDE	-13	9	8	FOBS=	255.7	SIGMA=	1.9	PHAS=	115.2	FOM=	0.44
INDE	-13	9	9	FOBS=	68.4	SIGMA=	6.1	PHAS=	104.3	FOM=	0.20
INDE	-13	10	10	FOBS=	224.5	SIGMA=	2.1	PHAS=	205.4	FOM=	0.95
INDE	-13	11	11	FOBS=	43.9	SIGMA=	9.1	PHAS=	60.6	FOM=	0.13
INDE	-13	12	12	FOBS=	179.8	SIGMA=	2.1	PHAS=	221.0	FOM=	0.96
INDE	-13	13	13	FOBS=	48.4	SIGMA=	7.2	PHAS=	174.2	FOM=	0.14
INDE	-13	10	1	FOBS=	96.0	SIGMA=	6.9	PHAS=	201.2	FOM=	0.21
INDE	-13	10	2	FOBS=	254.7	SIGMA=	2.6	PHAS=	6.3	FOM=	0.73
INDE	-13	10	3	FOBS=	115.0	SIGMA=	5.5	PHAS=	293.4	FOM=	0.15
INDE	-13	10	4	FOBS=	49.7	SIGMA=	12.2	PHAS=	185.4	FOM=	0.19
INDE	-13	10	5	FOBS=	271.6	SIGMA=	2.1	PHAS=	123.1	FOM=	0.92
INDE	-13	10	6	FOBS=	139.1	SIGMA=	3.6	PHAS=	165.0	FOM=	0.22
INDE	-13	10	7	FOBS=	108.4	SIGMA=	4.3	PHAS=	173.4	FOM=	0.24

Fig. 10A-10

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INDE	-13	10	8	FOBS=	193.4	SIGMA=	2.4	PHAS=	18.7	FOM=	0.92
INDE	-13	10	9	FOBS=	83.6	SIGMA=	4.9	PHAS=	167.5	FOM=	0.44
INDE	-13	10	10	FOBS=	112.0	SIGMA=	3.8	PHAS=	126.5	FOM=	0.82
INDE	-13	10	11	FOBS=	77.7	SIGMA=	5.3	PHAS=	237.0	FOM=	0.90
INDE	-13	10	12	FOBS=	124.7	SIGMA=	3.1	PHAS=	146.5	FOM=	0.55
INDE	-13	10	13	FOBS=	116.0	SIGMA=	5.2	PHAS=	60.2	FOM=	0.60
INDE	-13	11	1	FOBS=	147.1	SIGMA=	4.9	PHAS=	65.0	FOM=	0.64
INDE	-13	11	2	FOBS=	93.4	SIGMA=	6.8	PHAS=	187.4	FOM=	0.22
INDE	-13	11	3	FOBS=	131.0	SIGMA=	4.7	PHAS=	264.9	FOM=	0.17
INDE	-13	11	4	FOBS=	59.7	SIGMA=	11.9	PHAS=	338.7	FOM=	0.08
INDE	-13	11	5	FOBS=	126.8	SIGMA=	4.4	PHAS=	66.3	FOM=	0.33
INDE	-13	11	6	FOBS=	59.6	SIGMA=	21.5	PHAS=	69.5	FOM=	0.13
INDE	-13	11	7	FOBS=	142.2	SIGMA=	3.3	PHAS=	324.3	FOM=	0.86
INDE	-13	11	8	FOBS=	177.8	SIGMA=	2.7	PHAS=	145.3	FOM=	0.95
INDE	-13	11	9	FOBS=	236.5	SIGMA=	1.8	PHAS=	134.8	FOM=	0.89
INDE	-13	11	10	FOBS=	174.6	SIGMA=	2.3	PHAS=	16.8	FOM=	0.94
INDE	-13	11	11	FOBS=	55.0	SIGMA=	6.6	PHAS=	147.4	FOM=	0.40
INDE	-13	11	12	FOBS=	30.9	SIGMA=	15.5	PHAS=	4.1	FOM=	0.16
INDE	-13	12	1	FOBS=	142.7	SIGMA=	5.4	PHAS=	52.9	FOM=	0.25
INDE	-13	12	2	FOBS=	201.7	SIGMA=	3.2	PHAS=	254.6	FOM=	0.40
INDE	-13	12	3	FOBS=	320.3	SIGMA=	1.9	PHAS=	38.9	FOM=	0.92
INDE	-13	12	4	FOBS=	185.2	SIGMA=	3.0	PHAS=	217.4	FOM=	0.33
INDE	-13	12	5	FOBS=	104.3	SIGMA=	5.5	PHAS=	180.3	FOM=	0.25
INDE	-13	12	6	FOBS=	66.9	SIGMA=	7.6	PHAS=	270.8	FOM=	0.26
INDE	-13	12	7	FOBS=	135.9	SIGMA=	3.3	PHAS=	173.3	FOM=	0.55
INDE	-13	12	8	FOBS=	240.4	SIGMA=	2.3	PHAS=	95.0	FOM=	0.92
INDE	-13	12	9	FOBS=	160.6	SIGMA=	2.8	PHAS=	208.3	FOM=	0.94
INDE	-13	12	10	FOBS=	78.4	SIGMA=	5.4	PHAS=	110.1	FOM=	0.46
INDE	-13	12	11	FOBS=	152.7	SIGMA=	2.4	PHAS=	324.2	FOM=	0.08
INDE	-13	12	12	FOBS=	165.4	SIGMA=	2.2	PHAS=	268.0	FOM=	0.38
INDE	-13	13	1	FOBS=	110.1	SIGMA=	6.5	PHAS=	315.4	FOM=	0.19
INDE	-13	13	3	FOBS=	70.8	SIGMA=	8.4	PHAS=	144.5	FOM=	0.16
INDE	-13	13	4	FOBS=	165.1	SIGMA=	3.5	PHAS=	62.2	FOM=	0.66
INDE	-13	13	5	FOBS=	74.5	SIGMA=	6.9	PHAS=	269.0	FOM=	0.30
INDE	-13	13	6	FOBS=	251.7	SIGMA=	2.2	PHAS=	112.8	FOM=	0.65
INDE	-13	13	7	FOBS=	153.5	SIGMA=	3.3	PHAS=	121.1	FOM=	0.89
INDE	-13	13	8	FOBS=	113.8	SIGMA=	4.5	PHAS=	150.9	FOM=	0.53
INDE	-13	13	9	FOBS=	113.0	SIGMA=	3.2	PHAS=	290.8	FOM=	0.48
INDE	-13	13	10	FOBS=	141.2	SIGMA=	2.8	PHAS=	59.9	FOM=	0.60
INDE	-13	13	11	FOBS=	118.1	SIGMA=	3.0	PHAS=	207.5	FOM=	0.24
INDE	-13	13	12	FOBS=	165.8	SIGMA=	2.5	PHAS=	346.2	FOM=	0.94
INDE	-13	14	1	FOBS=	113.5	SIGMA=	5.6	PHAS=	351.8	FOM=	0.35
INDE	-13	14	2	FOBS=	112.5	SIGMA=	11.2	PHAS=	100.9	FOM=	0.15
INDE	-13	14	3	FOBS=	57.6	SIGMA=	11.3	PHAS=	199.5	FOM=	0.06
INDE	-13	14	4	FOBS=	49.3	SIGMA=	14.4	PHAS=	1.3	FOM=	0.21
INDE	-13	14	5	FOBS=	58.8	SIGMA=	8.6	PHAS=	239.1	FOM=	0.20
INDE	-13	14	6	FOBS=	123.6	SIGMA=	3.8	PHAS=	343.6	FOM=	0.42
INDE	-13	14	7	FOBS=	145.9	SIGMA=	2.9	PHAS=	124.3	FOM=	0.66
INDE	-13	14	8	FOBS=	59.6	SIGMA=	12.0	PHAS=	250.0	FOM=	0.35
INDE	-13	14	9	FOBS=	136.8	SIGMA=	2.5	PHAS=	299.8	FOM=	0.30
INDE	-13	14	10	FOBS=	63.2	SIGMA=	6.1	PHAS=	120.9	FOM=	0.32
INDE	-13	14	11	FOBS=	60.0	SIGMA=	5.3	PHAS=	199.5	FOM=	0.50
INDE	-13	15	1	FOBS=	257.7	SIGMA=	2.6	PHAS=	51.4	FOM=	0.79
INDE	-13	15	2	FOBS=	166.2	SIGMA=	4.0	PHAS=	185.9	FOM=	0.91
INDE	-13	15	3	FOBS=	48.2	SIGMA=	25.9	PHAS=	281.2	FOM=	0.15
INDE	-13	15	4	FOBS=	97.3	SIGMA=	5.6	PHAS=	61.1	FOM=	0.05
INDE	-13	15	5	FOBS=	201.8	SIGMA=	2.4	PHAS=	259.6	FOM=	0.48
INDE	-13	15	6	FOBS=	125.9	SIGMA=	3.4	PHAS=	18.6	FOM=	0.19
INDE	-13	15	7	FOBS=	106.5	SIGMA=	3.5	PHAS=	106.7	FOM=	0.17
INDE	-13	15	8	FOBS=	187.8	SIGMA=	2.5	PHAS=	322.9	FOM=	0.67
INDE	-13	15	9	FOBS=	218.0	SIGMA=	2.1	PHAS=	99.2	FOM=	0.96
INDE	-13	15	10	FOBS=	169.9	SIGMA=	2.2	PHAS=	11.9	FOM=	0.73
INDE	-13	15	11	FOBS=	140.4	SIGMA=	2.6	PHAS=	193.7	FOM=	0.85
INDE	-13	16	1	FOBS=	143.0	SIGMA=	4.4	PHAS=	120.0	FOM=	0.66
INDE	-13	16	2	FOBS=	108.2	SIGMA=	5.3	PHAS=	55.3	FOM=	0.15
INDE	-13	16	3	FOBS=	48.1	SIGMA=	15.1	PHAS=	288.6	FOM=	0.32
INDE	-13	16	4	FOBS=	61.0	SIGMA=	9.4	PHAS=	99.7	FOM=	0.31
INDE	-13	16	5	FOBS=	108.9	SIGMA=	4.3	PHAS=	247.4	FOM=	0.24
INDE	-13	16	6	FOBS=	77.1	SIGMA=	5.1	PHAS=	22.6	FOM=	0.40
INDE	-13	16	7	FOBS=	60.3	SIGMA=	5.1	PHAS=	65.2	FOM=	0.43
INDE	-13	16	8	FOBS=	97.4	SIGMA=	4.2	PHAS=	287.0	FOM=	0.37

Fig. 10A-11

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INDE	-13	16	9	FOBS=	48.4	SIGMA=	14.4	PHAS=	148.6	FOM=	0.13
INDE	-13	16	10	FOBS=	144.1	SIGMA=	6.5	PHAS=	54.4	FOM=	0.02
INDE	-13	16	11	FOBS=	139.4	SIGMA=	17.5	PHAS=	336.2	FOM=	0.06
INDE	-13	17	1	FOBS=	82.7	SIGMA=	7.0	PHAS=	34.8	FOM=	0.18
INDE	-13	17	2	FOBS=	59.6	SIGMA=	9.9	PHAS=	193.0	FOM=	0.12
INDE	-13	17	3	FOBS=	52.8	SIGMA=	11.3	PHAS=	331.4	FOM=	0.35
INDE	-13	17	4	FOBS=	74.0	SIGMA=	6.9	PHAS=	75.0	FOM=	0.11
INDE	-13	17	5	FOBS=	114.0	SIGMA=	4.2	PHAS=	251.1	FOM=	0.81
INDE	-13	17	6	FOBS=	85.3	SIGMA=	4.5	PHAS=	35.1	FOM=	0.85
INDE	-13	17	7	FOBS=	43.3	SIGMA=	32.1	PHAS=	141.6	FOM=	0.23
INDE	-13	17	8	FOBS=	105.1	SIGMA=	6.3	PHAS=	322.7	FOM=	0.47
INDE	-13	17	9	FOBS=	90.7	SIGMA=	6.8	PHAS=	112.6	FOM=	0.43
INDE	-13	17	10	FOBS=	118.5	SIGMA=	8.0	PHAS=	171.4	FOM=	0.12
INDE	-13	18	1	FOBS=	103.4	SIGMA=	6.5	PHAS=	172.4	FOM=	0.30
INDE	-13	18	2	FOBS=	65.5	SIGMA=	8.6	PHAS=	36.6	FOM=	0.06
INDE	-13	18	3	FOBS=	148.0	SIGMA=	3.6	PHAS=	260.7	FOM=	0.85
INDE	-13	18	4	FOBS=	42.0	SIGMA=	14.7	PHAS=	168.8	FOM=	0.36
INDE	-13	18	5	FOBS=	32.1	SIGMA=	12.2	PHAS=	350.4	FOM=	0.15
INDE	-13	18	7	FOBS=	44.4	SIGMA=	22.2	PHAS=	163.6	FOM=	0.33
INDE	-13	18	8	FOBS=	235.7	SIGMA=	3.0	PHAS=	294.0	FOM=	0.90
INDE	-13	18	9	FOBS=	56.1	SIGMA=	10.9	PHAS=	102.5	FOM=	0.09
INDE	-13	19	1	FOBS=	46.3	SIGMA=	33.7	PHAS=	42.3	FOM=	0.31
INDE	-13	19	2	FOBS=	34.0	SIGMA=	16.3	PHAS=	263.8	FOM=	0.20
INDE	-13	19	3	FOBS=	62.8	SIGMA=	7.8	PHAS=	122.6	FOM=	0.09
INDE	-13	19	4	FOBS=	133.8	SIGMA=	3.6	PHAS=	44.2	FOM=	0.14
INDE	-13	19	5	FOBS=	70.7	SIGMA=	6.0	PHAS=	283.3	FOM=	0.32
INDE	-13	19	6	FOBS=	89.0	SIGMA=	4.2	PHAS=	335.3	FOM=	0.59
INDE	-13	19	7	FOBS=	122.8	SIGMA=	6.3	PHAS=	290.4	FOM=	0.72
INDE	-13	19	8	FOBS=	73.4	SIGMA=	8.6	PHAS=	74.0	FOM=	0.08
INDE	-13	19	9	FOBS=	161.9	SIGMA=	4.0	PHAS=	19.0	FOM=	0.90
INDE	-13	20	1	FOBS=	165.9	SIGMA=	3.8	PHAS=	269.6	FOM=	0.12
INDE	-13	20	2	FOBS=	19.9	SIGMA=	60.8	PHAS=	197.8	FOM=	1.00
INDE	-13	20	3	FOBS=	48.8	SIGMA=	6.1	PHAS=	305.4	FOM=	0.96
INDE	-13	20	4	FOBS=	39.0	SIGMA=	17.9	PHAS=	142.6	FOM=	0.03
INDE	-13	20	5	FOBS=	231.0	SIGMA=	2.2	PHAS=	182.1	FOM=	0.92
INDE	-13	20	6	FOBS=	140.4	SIGMA=	2.8	PHAS=	341.4	FOM=	0.95
INDE	-13	20	7	FOBS=	44.7	SIGMA=	19.2	PHAS=	157.1	FOM=	0.14
INDE	-13	20	8	FOBS=	155.4	SIGMA=	4.5	PHAS=	80.8	FOM=	0.89
INDE	-13	21	1	FOBS=	96.9	SIGMA=	6.0	PHAS=	5.3	FOM=	0.12
INDE	-13	21	2	FOBS=	58.8	SIGMA=	10.1	PHAS=	266.5	FOM=	0.20
INDE	-13	21	3	FOBS=	106.9	SIGMA=	4.5	PHAS=	276.5	FOM=	0.44
INDE	-13	21	4	FOBS=	53.0	SIGMA=	10.7	PHAS=	70.5	FOM=	0.18
INDE	-13	21	5	FOBS=	111.4	SIGMA=	3.6	PHAS=	345.7	FOM=	0.89
INDE	-13	21	6	FOBS=	104.5	SIGMA=	3.2	PHAS=	134.6	FOM=	0.91
INDE	-13	21	7	FOBS=	49.1	SIGMA=	22.0	PHAS=	354.9	FOM=	0.23
INDE	-13	22	1	FOBS=	40.5	SIGMA=	15.1	PHAS=	248.6	FOM=	0.06
INDE	-13	22	3	FOBS=	53.5	SIGMA=	24.3	PHAS=	47.4	FOM=	0.17
INDE	-13	22	4	FOBS=	94.5	SIGMA=	4.7	PHAS=	307.2	FOM=	0.33
INDE	-13	22	5	FOBS=	98.4	SIGMA=	4.1	PHAS=	50.9	FOM=	0.08
INDE	-13	22	6	FOBS=	53.2	SIGMA=	7.0	PHAS=	16.0	FOM=	0.21
INDE	-13	23	1	FOBS=	88.5	SIGMA=	54.7	PHAS=	203.2	FOM=	0.03
INDE	-13	23	2	FOBS=	107.8	SIGMA=	5.5	PHAS=	39.3	FOM=	0.51
INDE	-13	23	3	FOBS=	58.0	SIGMA=	27.0	PHAS=	188.8	FOM=	0.18
INDE	-13	23	4	FOBS=	85.8	SIGMA=	7.7	PHAS=	21.1	FOM=	0.02
INDE	-12	0	1	FOBS=	63.6	SIGMA=	95.2	PHAS=	0.0	FOM=	0.05
INDE	-12	0	2	FOBS=	266.2	SIGMA=	3.1	PHAS=	0.0	FOM=	0.70
INDE	-12	0	3	FOBS=	55.6	SIGMA=	16.0	PHAS=	180.0	FOM=	0.03
INDE	-12	0	4	FOBS=	504.2	SIGMA=	2.2	PHAS=	0.0	FOM=	0.44
INDE	-12	0	5	FOBS=	529.7	SIGMA=	1.8	PHAS=	180.0	FOM=	0.99
INDE	-12	0	6	FOBS=	187.3	SIGMA=	3.7	PHAS=	180.0	FOM=	0.96
INDE	-12	0	7	FOBS=	262.5	SIGMA=	2.8	PHAS=	180.0	FOM=	0.95
INDE	-12	0	8	FOBS=	67.8	SIGMA=	9.3	PHAS=	180.0	FOM=	0.17
INDE	-12	0	9	FOBS=	80.3	SIGMA=	10.7	PHAS=	180.0	FOM=	0.12
INDE	-12	0	10	FOBS=	113.1	SIGMA=	5.3	PHAS=	0.0	FOM=	0.00
INDE	-12	0	11	FOBS=	208.7	SIGMA=	2.9	PHAS=	180.0	FOM=	0.95
INDE	-12	0	12	FOBS=	249.8	SIGMA=	2.4	PHAS=	0.0	FOM=	0.24
INDE	-12	0	13	FOBS=	262.6	SIGMA=	2.3	PHAS=	0.0	FOM=	0.76
INDE	-12	0	14	FOBS=	29.3	SIGMA=	26.3	PHAS=	0.0	FOM=	0.24
INDE	-12	1	1	FOBS=	62.6	SIGMA=	10.0	PHAS=	237.0	FOM=	0.08
INDE	-12	1	2	FOBS=	105.4	SIGMA=	5.6	PHAS=	26.8	FOM=	0.66
INDE	-12	1	3	FOBS=	322.6	SIGMA=	1.9	PHAS=	331.5	FOM=	0.73

Fig. 10A-12

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INDE	-12	1	4	FOBS=	114.4	SIGMA=	4.6	PHAS=	71.5	FOM=	0.11
INDE	-12	1	5	FOBS=	265.9	SIGMA=	2.1	PHAS=	253.3	FOM=	0.90
INDE	-12	1	6	FOBS=	233.3	SIGMA=	2.1	PHAS=	158.1	FOM=	0.94
INDE	-12	1	7	FOBS=	433.4	SIGMA=	1.4	PHAS=	79.4	FOM=	0.94
INDE	-12	1	8	FOBS=	238.5	SIGMA=	2.1	PHAS=	242.5	FOM=	0.93
INDE	-12	1	9	FOBS=	176.8	SIGMA=	3.5	PHAS=	282.4	FOM=	0.92
INDE	-12	1	10	FOBS=	109.1	SIGMA=	3.8	PHAS=	106.8	FOM=	0.41
INDE	-12	1	11	FOBS=	195.6	SIGMA=	2.2	PHAS=	224.8	FOM=	0.95
INDE	-12	1	12	FOBS=	193.7	SIGMA=	2.0	PHAS=	162.0	FOM=	0.71
INDE	-12	1	13	FOBS=	121.4	SIGMA=	3.2	PHAS=	222.1	FOM=	0.37
INDE	-12	1	14	FOBS=	143.7	SIGMA=	2.6	PHAS=	110.6	FOM=	0.91
INDE	-12	2	1	FOBS=	255.5	SIGMA=	2.4	PHAS=	357.9	FOM=	0.83
INDE	-12	2	2	FOBS=	354.0	SIGMA=	1.8	PHAS=	151.7	FOM=	0.47
INDE	-12	2	3	FOBS=	231.4	SIGMA=	2.5	PHAS=	229.8	FOM=	0.93
INDE	-12	2	4	FOBS=	204.8	SIGMA=	2.7	PHAS=	26.9	FOM=	0.96
INDE	-12	2	5	FOBS=	248.4	SIGMA=	2.2	PHAS=	208.4	FOM=	0.62
INDE	-12	2	6	FOBS=	171.6	SIGMA=	2.9	PHAS=	1.4	FOM=	0.23
INDE	-12	2	7	FOBS=	412.5	SIGMA=	1.5	PHAS=	225.3	FOM=	0.97
INDE	-12	2	8	FOBS=	195.2	SIGMA=	2.5	PHAS=	224.8	FOM=	0.87
INDE	-12	2	9	FOBS=	60.2	SIGMA=	9.3	PHAS=	39.8	FOM=	0.42
INDE	-12	2	10	FOBS=	216.7	SIGMA=	2.0	PHAS=	243.1	FOM=	0.90
INDE	-12	2	11	FOBS=	96.9	SIGMA=	4.1	PHAS=	259.6	FOM=	0.52
INDE	-12	2	12	FOBS=	224.0	SIGMA=	1.9	PHAS=	349.9	FOM=	0.97
INDE	-12	2	13	FOBS=	127.3	SIGMA=	3.3	PHAS=	215.6	FOM=	0.94
INDE	-12	2	14	FOBS=	170.3	SIGMA=	2.2	PHAS=	49.4	FOM=	0.73
INDE	-12	3	1	FOBS=	76.2	SIGMA=	7.6	PHAS=	14.7	FOM=	0.28
INDE	-12	3	2	FOBS=	112.3	SIGMA=	5.0	PHAS=	111.5	FOM=	0.20
INDE	-12	3	3	FOBS=	46.2	SIGMA=	12.7	PHAS=	224.1	FOM=	0.32
INDE	-12	3	4	FOBS=	369.4	SIGMA=	1.7	PHAS=	98.3	FOM=	0.98
INDE	-12	3	5	FOBS=	881.3	SIGMA=	5.9	PHAS=	318.5	FOM=	0.26
INDE	-12	3	6	FOBS=	183.2	SIGMA=	2.8	PHAS=	215.9	FOM=	0.34
INDE	-12	3	7	FOBS=	52.1	SIGMA=	22.0	PHAS=	82.4	FOM=	0.25
INDE	-12	3	8	FOBS=	64.8	SIGMA=	6.9	PHAS=	310.3	FOM=	0.50
INDE	-12	3	9	FOBS=	386.3	SIGMA=	1.7	PHAS=	64.5	FOM=	1.00
INDE	-12	3	10	FOBS=	300.6	SIGMA=	12.8	PHAS=	170.7	FOM=	0.27
INDE	-12	3	11	FOBS=	124.6	SIGMA=	3.5	PHAS=	1.6	FOM=	0.92
INDE	-12	3	12	FOBS=	137.9	SIGMA=	2.8	PHAS=	329.1	FOM=	0.73
INDE	-12	3	13	FOBS=	94.7	SIGMA=	4.1	PHAS=	156.5	FOM=	0.89
INDE	-12	3	14	FOBS=	127.8	SIGMA=	3.1	PHAS=	255.3	FOM=	0.87
INDE	-12	4	1	FOBS=	154.2	SIGMA=	4.0	PHAS=	11.0	FOM=	0.34
INDE	-12	4	2	FOBS=	50.2	SIGMA=	21.6	PHAS=	175.8	FOM=	0.28
INDE	-12	4	3	FOBS=	187.9	SIGMA=	2.9	PHAS=	61.8	FOM=	0.87
INDE	-12	4	4	FOBS=	297.5	SIGMA=	1.9	PHAS=	317.2	FOM=	0.78
INDE	-12	4	5	FOBS=	399.9	SIGMA=	1.6	PHAS=	22.3	FOM=	0.84
INDE	-12	4	6	FOBS=	377.6	SIGMA=	1.6	PHAS=	317.7	FOM=	0.98
INDE	-12	4	7	FOBS=	155.7	SIGMA=	3.2	PHAS=	244.7	FOM=	0.60
INDE	-12	4	8	FOBS=	91.5	SIGMA=	5.0	PHAS=	333.3	FOM=	0.42
INDE	-12	4	9	FOBS=	174.8	SIGMA=	2.6	PHAS=	36.3	FOM=	0.80
INDE	-12	4	10	FOBS=	247.2	SIGMA=	1.8	PHAS=	302.3	FOM=	0.95
INDE	-12	4	11	FOBS=	139.6	SIGMA=	3.1	PHAS=	24.5	FOM=	0.51
INDE	-12	4	12	FOBS=	187.3	SIGMA=	2.1	PHAS=	73.7	FOM=	0.94
INDE	-12	4	13	FOBS=	132.1	SIGMA=	3.1	PHAS=	285.3	FOM=	0.74
INDE	-12	4	14	FOBS=	146.2	SIGMA=	2.6	PHAS=	306.5	FOM=	0.52
INDE	-12	5	1	FOBS=	232.9	SIGMA=	2.7	PHAS=	173.1	FOM=	0.85
INDE	-12	5	2	FOBS=	212.1	SIGMA=	2.7	PHAS=	161.1	FOM=	0.16
INDE	-12	5	3	FOBS=	54.0	SIGMA=	10.4	PHAS=	307.3	FOM=	0.48
INDE	-12	5	4	FOBS=	285.6	SIGMA=	2.0	PHAS=	65.2	FOM=	0.99
INDE	-12	5	5	FOBS=	214.2	SIGMA=	2.5	PHAS=	169.4	FOM=	0.94
INDE	-12	5	6	FOBS=	53.6	SIGMA=	9.1	PHAS=	325.2	FOM=	0.15
INDE	-12	5	7	FOBS=	173.0	SIGMA=	3.0	PHAS=	157.7	FOM=	0.95
INDE	-12	5	8	FOBS=	259.7	SIGMA=	2.0	PHAS=	290.9	FOM=	1.00
INDE	-12	5	9	FOBS=	248.2	SIGMA=	1.9	PHAS=	52.4	FOM=	0.90
INDE	-12	5	10	FOBS=	221.6	SIGMA=	2.0	PHAS=	256.0	FOM=	0.86
INDE	-12	5	11	FOBS=	223.0	SIGMA=	1.9	PHAS=	330.1	FOM=	0.50
INDE	-12	5	12	FOBS=	63.3	SIGMA=	6.3	PHAS=	118.4	FOM=	0.45
INDE	-12	5	13	FOBS=	157.1	SIGMA=	2.5	PHAS=	324.1	FOM=	1.00
INDE	-12	5	14	FOBS=	33.3	SIGMA=	18.6	PHAS=	115.8	FOM=	0.01
INDE	-12	6	1	FOBS=	169.3	SIGMA=	3.7	PHAS=	280.9	FOM=	0.42
INDE	-12	6	2	FOBS=	184.3	SIGMA=	3.2	PHAS=	149.1	FOM=	0.81
INDE	-12	6	3	FOBS=	424.0	SIGMA=	1.5	PHAS=	127.0	FOM=	0.94
INDE	-12	6	4	FOBS=	98.7	SIGMA=	5.2	PHAS=	188.4	FOM=	0.19

Fig. 10A-13

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INDE	-12	6	5	FOBS=	417.5	SIGMA=	1.5	PHAS=	62.3	FOM=	0.96
INDE	-12	6	6	FOBS=	155.0	SIGMA=	3.2	PHAS=	88.2	FOM=	0.87
INDE	-12	6	7	FOBS=	162.0	SIGMA=	3.2	PHAS=	111.8	FOM=	0.85
INDE	-12	6	8	FOBS=	324.6	SIGMA=	1.6	PHAS=	86.2	FOM=	0.77
INDE	-12	6	9	FOBS=	276.2	SIGMA=	1.7	PHAS=	236.9	FOM=	0.82
INDE	-12	6	10	FOBS=	87.6	SIGMA=	5.0	PHAS=	190.3	FOM=	0.78
INDE	-12	6	11	FOBS=	93.1	SIGMA=	4.1	PHAS=	80.5	FOM=	0.63
INDE	-12	6	12	FOBS=	189.3	SIGMA=	2.1	PHAS=	261.5	FOM=	0.89
INDE	-12	6	13	FOBS=	85.7	SIGMA=	4.4	PHAS=	183.1	FOM=	0.23
INDE	-12	6	14	FOBS=	114.3	SIGMA=	3.3	PHAS=	181.9	FOM=	0.75
INDE	-12	7	1	FOBS=	166.1	SIGMA=	4.4	PHAS=	269.2	FOM=	0.78
INDE	-12	7	2	FOBS=	70.0	SIGMA=	45.4	PHAS=	120.8	FOM=	0.10
INDE	-12	7	3	FOBS=	107.7	SIGMA=	5.2	PHAS=	28.4	FOM=	0.41
INDE	-12	7	4	FOBS=	145.2	SIGMA=	3.8	PHAS=	102.9	FOM=	0.75
INDE	-12	7	5	FOBS=	59.0	SIGMA=	8.3	PHAS=	325.8	FOM=	0.07
INDE	-12	7	6	FOBS=	30.1	SIGMA=	14.6	PHAS=	135.0	FOM=	0.18
INDE	-12	7	7	FOBS=	128.5	SIGMA=	3.8	PHAS=	218.1	FOM=	0.67
INDE	-12	7	8	FOBS=	306.1	SIGMA=	1.7	PHAS=	320.6	FOM=	1.00
INDE	-12	7	9	FOBS=	137.6	SIGMA=	2.9	PHAS=	358.8	FOM=	0.73
INDE	-12	7	10	FOBS=	61.0	SIGMA=	6.6	PHAS=	115.8	FOM=	0.15
INDE	-12	7	11	FOBS=	200.8	SIGMA=	2.1	PHAS=	325.0	FOM=	1.00
INDE	-12	7	12	FOBS=	197.9	SIGMA=	2.1	PHAS=	147.8	FOM=	1.00
INDE	-12	7	13	FOBS=	180.0	SIGMA=	2.1	PHAS=	312.2	FOM=	0.93
INDE	-12	7	14	FOBS=	121.6	SIGMA=	3.2	PHAS=	253.9	FOM=	0.73
INDE	-12	8	1	FOBS=	40.5	SIGMA=	15.4	PHAS=	64.2	FOM=	0.14
INDE	-12	8	2	FOBS=	45.2	SIGMA=	21.2	PHAS=	234.1	FOM=	0.16
INDE	-12	8	3	FOBS=	137.9	SIGMA=	4.1	PHAS=	204.5	FOM=	0.52
INDE	-12	8	4	FOBS=	250.9	SIGMA=	2.2	PHAS=	13.6	FOM=	0.90
INDE	-12	8	5	FOBS=	88.3	SIGMA=	5.8	PHAS=	123.0	FOM=	0.61
INDE	-12	8	6	FOBS=	40.3	SIGMA=	13.6	PHAS=	60.4	FOM=	0.21
INDE	-12	8	7	FOBS=	56.8	SIGMA=	8.3	PHAS=	290.3	FOM=	0.12
INDE	-12	8	8	FOBS=	385.4	SIGMA=	1.7	PHAS=	169.9	FOM=	1.00
INDE	-12	8	9	FOBS=	40.5	SIGMA=	11.1	PHAS=	64.9	FOM=	0.29
INDE	-12	8	10	FOBS=	93.3	SIGMA=	4.0	PHAS=	172.6	FOM=	0.75
INDE	-12	8	11	FOBS=	115.3	SIGMA=	3.4	PHAS=	148.6	FOM=	0.82
INDE	-12	8	12	FOBS=	29.6	SIGMA=	13.7	PHAS=	79.1	FOM=	0.18
INDE	-12	8	13	FOBS=	214.0	SIGMA=	1.9	PHAS=	268.4	FOM=	0.93
INDE	-12	8	14	FOBS=	116.5	SIGMA=	3.3	PHAS=	110.9	FOM=	0.84
INDE	-12	9	1	FOBS=	83.4	SIGMA=	7.9	PHAS=	207.4	FOM=	0.28
INDE	-12	9	2	FOBS=	332.4	SIGMA=	2.0	PHAS=	67.3	FOM=	0.73
INDE	-12	9	3	FOBS=	220.8	SIGMA=	3.0	PHAS=	246.1	FOM=	0.29
INDE	-12	9	4	FOBS=	133.7	SIGMA=	4.0	PHAS=	256.5	FOM=	0.81
INDE	-12	9	5	FOBS=	138.9	SIGMA=	3.8	PHAS=	50.0	FOM=	0.77
INDE	-12	9	6	FOBS=	392.2	SIGMA=	1.5	PHAS=	78.9	FOM=	0.85
INDE	-12	9	7	FOBS=	134.1	SIGMA=	3.5	PHAS=	250.9	FOM=	0.67
INDE	-12	9	8	FOBS=	154.2	SIGMA=	3.5	PHAS=	0.1	FOM=	0.51
INDE	-12	9	9	FOBS=	119.8	SIGMA=	3.5	PHAS=	358.6	FOM=	0.79
INDE	-12	9	10	FOBS=	120.1	SIGMA=	3.3	PHAS=	21.1	FOM=	0.34
INDE	-12	9	11	FOBS=	141.6	SIGMA=	2.7	PHAS=	13.8	FOM=	0.66
INDE	-12	9	12	FOBS=	121.3	SIGMA=	3.1	PHAS=	296.8	FOM=	0.82
INDE	-12	9	13	FOBS=	55.7	SIGMA=	6.2	PHAS=	280.4	FOM=	0.26
INDE	-12	9	14	FOBS=	231.9	SIGMA=	3.7	PHAS=	164.4	FOM=	0.33
INDE	-12	10	1	FOBS=	43.3	SIGMA=	22.1	PHAS=	86.7	FOM=	0.10
INDE	-12	10	2	FOBS=	223.8	SIGMA=	2.9	PHAS=	323.0	FOM=	0.95
INDE	-12	10	3	FOBS=	229.6	SIGMA=	2.6	PHAS=	189.1	FOM=	0.89
INDE	-12	10	4	FOBS=	177.6	SIGMA=	3.5	PHAS=	110.2	FOM=	0.55
INDE	-12	10	5	FOBS=	61.0	SIGMA=	8.4	PHAS=	270.6	FOM=	0.20
INDE	-12	10	6	FOBS=	251.3	SIGMA=	2.0	PHAS=	259.8	FOM=	0.82
INDE	-12	10	7	FOBS=	102.1	SIGMA=	4.4	PHAS=	81.8	FOM=	0.58
INDE	-12	10	8	FOBS=	240.8	SIGMA=	2.4	PHAS=	248.3	FOM=	0.97
INDE	-12	10	9	FOBS=	252.7	SIGMA=	1.8	PHAS=	41.9	FOM=	1.00
INDE	-12	10	10	FOBS=	77.3	SIGMA=	4.9	PHAS=	284.4	FOM=	0.09
INDE	-12	10	11	FOBS=	202.1	SIGMA=	1.9	PHAS=	110.6	FOM=	0.96
INDE	-12	10	12	FOBS=	32.5	SIGMA=	11.7	PHAS=	14.1	FOM=	0.59
INDE	-12	10	13	FOBS=	32.2	SIGMA=	14.3	PHAS=	237.6	FOM=	0.16
INDE	-12	11	1	FOBS=	302.2	SIGMA=	2.5	PHAS=	308.0	FOM=	0.84
INDE	-12	11	2	FOBS=	330.2	SIGMA=	2.3	PHAS=	352.8	FOM=	0.51
INDE	-12	11	3	FOBS=	75.2	SIGMA=	8.0	PHAS=	131.5	FOM=	0.16
INDE	-12	11	4	FOBS=	196.8	SIGMA=	2.9	PHAS=	12.1	FOM=	0.59
INDE	-12	11	5	FOBS=	71.5	SIGMA=	7.6	PHAS=	125.5	FOM=	0.26
INDE	-12	11	6	FOBS=	113.0	SIGMA=	4.1	PHAS=	15.0	FOM=	0.26

Fig. 10A-14

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INDE	-12	11	7	FOBS=	55.8	SIGMA=	8.3	PHAS=	168.6	FOM=	0.19
INDE	-12	11	8	FOBS=	171.6	SIGMA=	3.0	PHAS=	354.7	FOM=	0.08
INDE	-12	11	9	FOBS=	401.0	SIGMA=	1.2	PHAS=	316.3	FOM=	0.94
INDE	-12	11	10	FOBS=	51.2	SIGMA=	8.8	PHAS=	166.6	FOM=	0.53
INDE	-12	11	11	FOBS=	295.0	SIGMA=	1.4	PHAS=	257.2	FOM=	0.98
INDE	-12	11	12	FOBS=	219.3	SIGMA=	1.9	PHAS=	155.7	FOM=	0.74
INDE	-12	11	13	FOBS=	163.7	SIGMA=	2.2	PHAS=	209.5	FOM=	0.84
INDE	-12	12	1	FOBS=	237.7	SIGMA=	2.9	PHAS=	343.2	FOM=	0.70
INDE	-12	12	2	FOBS=	183.2	SIGMA=	3.8	PHAS=	53.4	FOM=	0.37
INDE	-12	12	3	FOBS=	183.2	SIGMA=	3.3	PHAS=	219.9	FOM=	0.73
INDE	-12	12	4	FOBS=	276.8	SIGMA=	2.1	PHAS=	227.6	FOM=	0.80
INDE	-12	12	5	FOBS=	153.0	SIGMA=	3.4	PHAS=	37.1	FOM=	0.88
INDE	-12	12	6	FOBS=	120.0	SIGMA=	4.6	PHAS=	240.2	FOM=	0.83
INDE	-12	12	7	FOBS=	217.2	SIGMA=	2.0	PHAS=	61.4	FOM=	0.63
INDE	-12	12	8	FOBS=	262.7	SIGMA=	1.6	PHAS=	43.3	FOM=	0.80
INDE	-12	12	9	FOBS=	108.9	SIGMA=	3.5	PHAS=	28.5	FOM=	0.80
INDE	-12	12	10	FOBS=	109.7	SIGMA=	3.4	PHAS=	202.0	FOM=	0.72
INDE	-12	12	11	FOBS=	212.4	SIGMA=	1.9	PHAS=	163.7	FOM=	0.91
INDE	-12	12	12	FOBS=	67.6	SIGMA=	5.6	PHAS=	49.3	FOM=	0.83
INDE	-12	12	13	FOBS=	167.4	SIGMA=	2.3	PHAS=	218.0	FOM=	0.96
INDE	-12	13	1	FOBS=	179.7	SIGMA=	3.7	PHAS=	103.5	FOM=	0.40
INDE	-12	13	2	FOBS=	175.0	SIGMA=	3.9	PHAS=	252.0	FOM=	0.64
INDE	-12	13	3	FOBS=	97.7	SIGMA=	6.6	PHAS=	312.3	FOM=	0.06
INDE	-12	13	4	FOBS=	95.5	SIGMA=	5.7	PHAS=	96.7	FOM=	0.35
INDE	-12	13	5	FOBS=	205.2	SIGMA=	2.4	PHAS=	295.2	FOM=	0.77
INDE	-12	13	6	FOBS=	99.6	SIGMA=	4.6	PHAS=	264.6	FOM=	0.64
INDE	-12	13	7	FOBS=	127.8	SIGMA=	3.6	PHAS=	184.9	FOM=	0.80
INDE	-12	13	8	FOBS=	83.6	SIGMA=	4.3	PHAS=	24.1	FOM=	0.27
INDE	-12	13	9	FOBS=	116.6	SIGMA=	3.0	PHAS=	219.6	FOM=	0.56
INDE	-12	13	10	FOBS=	94.9	SIGMA=	3.7	PHAS=	96.9	FOM=	0.26
INDE	-12	13	11	FOBS=	149.8	SIGMA=	2.5	PHAS=	1.3	FOM=	0.97
INDE	-12	13	12	FOBS=	141.8	SIGMA=	2.7	PHAS=	105.5	FOM=	0.75
INDE	-12	13	13	FOBS=	50.1	SIGMA=	1.3	PHAS=	257.5	FOM=	0.19
INDE	-12	14	1	FOBS=	90.7	SIGMA=	6.7	PHAS=	321.4	FOM=	0.06
INDE	-12	14	3	FOBS=	227.9	SIGMA=	2.8	PHAS=	31.5	FOM=	0.76
INDE	-12	14	4	FOBS=	154.9	SIGMA=	3.8	PHAS=	252.1	FOM=	0.68
INDE	-12	14	5	FOBS=	175.5	SIGMA=	2.7	PHAS=	9.0	FOM=	0.91
INDE	-12	14	6	FOBS=	80.9	SIGMA=	5.1	PHAS=	268.3	FOM=	0.19
INDE	-12	14	7	FOBS=	106.5	SIGMA=	3.7	PHAS=	149.4	FOM=	0.84
INDE	-12	14	8	FOBS=	124.2	SIGMA=	3.9	PHAS=	254.4	FOM=	0.49
INDE	-12	14	9	FOBS=	134.8	SIGMA=	2.6	PHAS=	305.0	FOM=	0.49
INDE	-12	14	10	FOBS=	104.2	SIGMA=	3.2	PHAS=	40.6	FOM=	0.27
INDE	-12	14	11	FOBS=	94.6	SIGMA=	3.6	PHAS=	278.8	FOM=	0.68
INDE	-12	14	12	FOBS=	82.6	SIGMA=	4.1	PHAS=	132.3	FOM=	0.37
INDE	-12	15	1	FOBS=	190.5	SIGMA=	3.3	PHAS=	224.3	FOM=	0.67
INDE	-12	15	2	FOBS=	242.1	SIGMA=	2.6	PHAS=	350.1	FOM=	0.37
INDE	-12	15	3	FOBS=	51.8	SIGMA=	2.4	PHAS=	46.7	FOM=	0.43
INDE	-12	15	4	FOBS=	190.4	SIGMA=	3.0	PHAS=	28.6	FOM=	0.82
INDE	-12	15	5	FOBS=	159.1	SIGMA=	3.0	PHAS=	20.9	FOM=	0.89
INDE	-12	15	6	FOBS=	153.6	SIGMA=	2.5	PHAS=	180.9	FOM=	0.97
INDE	-12	15	7	FOBS=	306.4	SIGMA=	2.1	PHAS=	272.8	FOM=	0.94
INDE	-12	15	8	FOBS=	91.9	SIGMA=	5.6	PHAS=	21.7	FOM=	0.14
INDE	-12	15	9	FOBS=	180.9	SIGMA=	3.6	PHAS=	196.6	FOM=	0.78
INDE	-12	15	10	FOBS=	192.4	SIGMA=	3.0	PHAS=	111.3	FOM=	0.42
INDE	-12	15	11	FOBS=	39.4	SIGMA=	6.9	PHAS=	281.6	FOM=	0.33
INDE	-12	15	12	FOBS=	48.2	SIGMA=	7.0	PHAS=	168.0	FOM=	0.24
INDE	-12	16	1	FOBS=	81.4	SIGMA=	8.1	PHAS=	27.2	FOM=	0.05
INDE	-12	16	2	FOBS=	52.5	SIGMA=	3.6	PHAS=	222.9	FOM=	0.06
INDE	-12	16	3	FOBS=	157.4	SIGMA=	3.5	PHAS=	53.3	FOM=	0.60
INDE	-12	16	4	FOBS=	133.5	SIGMA=	3.9	PHAS=	324.4	FOM=	0.68
INDE	-12	16	5	FOBS=	117.4	SIGMA=	4.0	PHAS=	122.8	FOM=	0.09
INDE	-12	16	6	FOBS=	108.7	SIGMA=	3.1	PHAS=	289.9	FOM=	0.51
INDE	-12	16	7	FOBS=	65.6	SIGMA=	1.7	PHAS=	241.5	FOM=	0.37
INDE	-12	16	8	FOBS=	110.6	SIGMA=	6.1	PHAS=	16.4	FOM=	0.26
INDE	-12	16	9	FOBS=	78.5	SIGMA=	8.3	PHAS=	74.0	FOM=	0.49
INDE	-12	16	10	FOBS=	44.4	SIGMA=	2.6	PHAS=	244.9	FOM=	0.10
INDE	-12	16	11	FOBS=	148.2	SIGMA=	4.0	PHAS=	64.2	FOM=	0.20
INDE	-12	16	12	FOBS=	96.2	SIGMA=	10.0	PHAS=	94.0	FOM=	0.08
INDE	-12	17	1	FOBS=	90.1	SIGMA=	7.5	PHAS=	116.0	FOM=	0.37
INDE	-12	17	2	FOBS=	137.8	SIGMA=	4.1	PHAS=	337.6	FOM=	0.28
INDE	-12	17	3	FOBS=	99.7	SIGMA=	5.2	PHAS=	43.9	FOM=	0.37

Fig. 10A-15

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INDE	-12	17	4	FOBS=	41.3	SIGMA=	16.6	PHAS=	218.7	FOM=	0.24
INDE	-12	17	5	FOBS=	216.2	SIGMA=	2.7	PHAS=	359.2	FOM=	0.87
INDE	-12	17	6	FOBS=	80.2	SIGMA=	4.4	PHAS=	182.3	FOM=	0.18
INDE	-12	17	7	FOBS=	64.9	SIGMA=	12.9	PHAS=	259.8	FOM=	0.18
INDE	-12	17	8	FOBS=	156.0	SIGMA=	4.6	PHAS=	21.6	FOM=	0.90
INDE	-12	17	9	FOBS=	77.5	SIGMA=	8.7	PHAS=	234.9	FOM=	0.70
INDE	-12	17	10	FOBS=	112.1	SIGMA=	6.5	PHAS=	317.0	FOM=	0.03
INDE	-12	17	11	FOBS=	93.1	SIGMA=	6.7	PHAS=	55.3	FOM=	0.51
INDE	-12	18	1	FOBS=	154.2	SIGMA=	4.0	PHAS=	68.2	FOM=	0.80
INDE	-12	18	2	FOBS=	134.2	SIGMA=	4.7	PHAS=	30.2	FOM=	0.60
INDE	-12	18	3	FOBS=	81.7	SIGMA=	6.0	PHAS=	25.6	FOM=	0.15
INDE	-12	18	4	FOBS=	33.9	SIGMA=	14.0	PHAS=	112.3	FOM=	0.12
INDE	-12	18	5	FOBS=	179.5	SIGMA=	2.9	PHAS=	355.3	FOM=	0.96
INDE	-12	18	6	FOBS=	103.0	SIGMA=	3.2	PHAS=	217.2	FOM=	0.92
INDE	-12	18	7	FOBS=	52.6	SIGMA=	16.7	PHAS=	338.9	FOM=	0.39
INDE	-12	18	8	FOBS=	70.4	SIGMA=	9.1	PHAS=	200.4	FOM=	0.47
INDE	-12	18	9	FOBS=	79.3	SIGMA=	7.6	PHAS=	74.2	FOM=	0.06
INDE	-12	18	10	FOBS=	68.4	SIGMA=	9.3	PHAS=	29.3	FOM=	0.42
INDE	-12	18	11	FOBS=	75.3	SIGMA=	16.3	PHAS=	144.5	FOM=	0.12
INDE	-12	19	1	FOBS=	64.9	SIGMA=	9.0	PHAS=	208.2	FOM=	0.15
INDE	-12	19	2	FOBS=	103.5	SIGMA=	6.0	PHAS=	310.0	FOM=	0.11
INDE	-12	19	3	FOBS=	116.1	SIGMA=	4.3	PHAS=	241.6	FOM=	0.47
INDE	-12	19	4	FOBS=	102.6	SIGMA=	4.0	PHAS=	60.4	FOM=	0.87
INDE	-12	19	5	FOBS=	148.6	SIGMA=	3.1	PHAS=	245.9	FOM=	0.75
INDE	-12	19	6	FOBS=	27.4	SIGMA=	12.4	PHAS=	2.8	FOM=	0.13
INDE	-12	19	7	FOBS=	58.4	SIGMA=	15.0	PHAS=	231.6	FOM=	0.32
INDE	-12	19	8	FOBS=	145.8	SIGMA=	5.3	PHAS=	115.5	FOM=	0.14
INDE	-12	19	9	FOBS=	250.9	SIGMA=	3.1	PHAS=	308.2	FOM=	0.90
INDE	-12	19	10	FOBS=	198.8	SIGMA=	3.2	PHAS=	129.6	FOM=	0.70
INDE	-12	20	1	FOBS=	98.0	SIGMA=	5.9	PHAS=	94.8	FOM=	0.38
INDE	-12	20	2	FOBS=	265.5	SIGMA=	2.6	PHAS=	351.6	FOM=	0.96
INDE	-12	20	3	FOBS=	118.2	SIGMA=	4.6	PHAS=	87.4	FOM=	0.58
INDE	-12	20	4	FOBS=	59.4	SIGMA=	7.9	PHAS=	118.5	FOM=	0.07
INDE	-12	20	5	FOBS=	315.9	SIGMA=	1.9	PHAS=	15.5	FOM=	1.00
INDE	-12	20	6	FOBS=	219.4	SIGMA=	2.7	PHAS=	238.4	FOM=	1.00
INDE	-12	20	8	FOBS=	311.9	SIGMA=	3.0	PHAS=	322.7	FOM=	0.07
INDE	-12	20	9	FOBS=	167.7	SIGMA=	3.8	PHAS=	216.1	FOM=	0.82
INDE	-12	21	1	FOBS=	50.9	SIGMA=	39.4	PHAS=	355.2	FOM=	0.27
INDE	-12	21	2	FOBS=	37.1	SIGMA=	16.5	PHAS=	200.8	FOM=	0.19
INDE	-12	21	3	FOBS=	99.6	SIGMA=	5.6	PHAS=	142.0	FOM=	0.23
INDE	-12	21	4	FOBS=	109.9	SIGMA=	4.2	PHAS=	336.7	FOM=	0.56
INDE	-12	21	5	FOBS=	94.8	SIGMA=	4.2	PHAS=	142.8	FOM=	0.62
INDE	-12	21	6	FOBS=	149.5	SIGMA=	3.4	PHAS=	323.8	FOM=	0.88
INDE	-12	21	7	FOBS=	76.5	SIGMA=	8.4	PHAS=	313.4	FOM=	0.11
INDE	-12	21	8	FOBS=	103.1	SIGMA=	6.6	PHAS=	85.3	FOM=	0.18
INDE	-12	21	9	FOBS=	172.3	SIGMA=	5.7	PHAS=	270.1	FOM=	0.40
INDE	-12	22	1	FOBS=	73.6	SIGMA=	7.3	PHAS=	186.1	FOM=	0.14
INDE	-12	22	2	FOBS=	32.7	SIGMA=	25.9	PHAS=	111.3	FOM=	0.49
INDE	-12	22	3	FOBS=	31.2	SIGMA=	41.5	PHAS=	290.7	FOM=	0.80
INDE	-12	22	4	FOBS=	65.7	SIGMA=	7.4	PHAS=	33.6	FOM=	0.12
INDE	-12	22	5	FOBS=	113.7	SIGMA=	3.4	PHAS=	261.8	FOM=	0.70
INDE	-12	22	6	FOBS=	69.4	SIGMA=	7.5	PHAS=	188.8	FOM=	0.22
INDE	-12	22	7	FOBS=	113.9	SIGMA=	6.0	PHAS=	44.2	FOM=	0.56
INDE	-12	22	8	FOBS=	71.8	SIGMA=	8.5	PHAS=	295.4	FOM=	0.10
INDE	-12	23	1	FOBS=	101.2	SIGMA=	5.4	PHAS=	189.1	FOM=	0.05
INDE	-12	23	2	FOBS=	182.8	SIGMA=	3.2	PHAS=	183.0	FOM=	0.91
INDE	-12	23	3	FOBS=	63.4	SIGMA=	7.4	PHAS=	83.0	FOM=	0.21
INDE	-12	23	4	FOBS=	51.3	SIGMA=	10.0	PHAS=	251.9	FOM=	0.07
INDE	-12	23	5	FOBS=	64.2	SIGMA=	6.4	PHAS=	179.3	FOM=	0.24
INDE	-12	23	6	FOBS=	35.5	SIGMA=	8.4	PHAS=	42.1	FOM=	0.19
INDE	-12	23	7	FOBS=	57.7	SIGMA=	11.5	PHAS=	226.9	FOM=	0.07
INDE	-12	24	1	FOBS=	32.2	SIGMA=	16.0	PHAS=	270.1	FOM=	0.11
INDE	-12	24	2	FOBS=	90.3	SIGMA=	5.5	PHAS=	14.5	FOM=	0.10
INDE	-12	24	3	FOBS=	71.4	SIGMA=	6.8	PHAS=	355.7	FOM=	0.06
INDE	-12	24	4	FOBS=	99.3	SIGMA=	4.5	PHAS=	117.1	FOM=	0.72
INDE	-12	24	5	FOBS=	44.8	SIGMA=	21.8	PHAS=	353.8	FOM=	0.14
INDE	-12	25	2	FOBS=	92.2	SIGMA=	13.0	PHAS=	214.4	FOM=	0.02
INDE	-12	25	3	FOBS=	86.9	SIGMA=	43.7	PHAS=	92.9	FOM=	0.09
INDE	-11	0	1	FOBS=	279.1	SIGMA=	3.0	PHAS=	180.0	FOM=	0.04
INDE	-11	0	2	FOBS=	106.4	SIGMA=	7.0	PHAS=	180.0	FOM=	0.25
INDE	-11	0	3	FOBS=	77.5	SIGMA=	8.7	PHAS=	180.0	FOM=	0.10

Fig. 10A-16

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INDE	-11	0	4	FOBS=	161.0	SIGMA=	4.2	PHAS=	180.0	FOM=	0.08
INDE	-11	00	5	FOBS=	389.7	SIGMA=	2.0	PHAS=	0.0	FOM=	0.32
INDE	-11	00	6	FOBS=	64.8	SIGMA=	9.6	PHAS=	180.0	FOM=	0.20
INDE	-11	00	7	FOBS=	64.4	SIGMA=	9.5	PHAS=	0.0	FOM=	0.08
INDE	-11	00	8	FOBS=	518.4	SIGMA=	1.7	PHAS=	0.0	FOM=	1.00
INDE	-11	00	9	FOBS=	55.2	SIGMA=	10.8	PHAS=	180.0	FOM=	0.10
INDE	-11	00	10	FOBS=	49.8	SIGMA=	10.8	PHAS=	180.0	FOM=	0.11
INDE	-11	00	11	FOBS=	33.1	SIGMA=	20.0	PHAS=	0.0	FOM=	0.30
INDE	-11	00	12	FOBS=	156.8	SIGMA=	3.5	PHAS=	180.0	FOM=	0.44
INDE	-11	00	13	FOBS=	140.3	SIGMA=	3.9	PHAS=	0.0	FOM=	0.86
INDE	-11	00	14	FOBS=	187.7	SIGMA=	4.3	PHAS=	0.0	FOM=	0.62
INDE	-11	00	15	FOBS=	46.4	SIGMA=	13.8	PHAS=	180.0	FOM=	0.04
INDE	-11	1	1	FOBS=	92.5	SIGMA=	6.1	PHAS=	156.7	FOM=	0.51
INDE	-11	1	2	FOBS=	46.6	SIGMA=	12.9	PHAS=	193.7	FOM=	0.12
INDE	-11	1	3	FOBS=	186.6	SIGMA=	2.7	PHAS=	132.4	FOM=	0.97
INDE	-11	1	4	FOBS=	51.0	SIGMA=	10.2	PHAS=	99.6	FOM=	0.23
INDE	-11	1	5	FOBS=	107.5	SIGMA=	4.4	PHAS=	303.4	FOM=	0.80
INDE	-11	1	6	FOBS=	203.9	SIGMA=	2.3	PHAS=	102.2	FOM=	0.93
INDE	-11	1	7	FOBS=	77.3	SIGMA=	5.4	PHAS=	167.8	FOM=	0.01
INDE	-11	1	8	FOBS=	82.4	SIGMA=	5.0	PHAS=	228.8	FOM=	0.17
INDE	-11	1	9	FOBS=	200.0	SIGMA=	2.2	PHAS=	164.2	FOM=	0.80
INDE	-11	1	10	FOBS=	102.4	SIGMA=	4.3	PHAS=	337.1	FOM=	0.88
INDE	-11	1	11	FOBS=	231.0	SIGMA=	1.8	PHAS=	181.8	FOM=	0.72
INDE	-11	1	12	FOBS=	254.9	SIGMA=	1.7	PHAS=	68.3	FOM=	1.00
INDE	-11	1	13	FOBS=	218.0	SIGMA=	2.0	PHAS=	283.4	FOM=	0.98
INDE	-11	1	14	FOBS=	126.7	SIGMA=	4.3	PHAS=	308.3	FOM=	0.81
INDE	-11	1	15	FOBS=	81.1	SIGMA=	5.3	PHAS=	108.8	FOM=	0.29
INDE	-11	2	1	FOBS=	116.5	SIGMA=	4.8	PHAS=	65.4	FOM=	0.81
INDE	-11	2	2	FOBS=	141.0	SIGMA=	3.8	PHAS=	78.3	FOM=	0.16
INDE	-11	2	3	FOBS=	171.8	SIGMA=	3.1	PHAS=	326.0	FOM=	0.96
INDE	-11	2	4	FOBS=	278.2	SIGMA=	1.9	PHAS=	95.3	FOM=	0.97
INDE	-11	2	5	FOBS=	370.0	SIGMA=	1.5	PHAS=	224.0	FOM=	0.79
INDE	-11	2	6	FOBS=	267.0	SIGMA=	1.9	PHAS=	105.6	FOM=	0.87
INDE	-11	2	7	FOBS=	170.4	SIGMA=	2.7	PHAS=	176.7	FOM=	0.81
INDE	-11	2	8	FOBS=	404.9	SIGMA=	1.3	PHAS=	61.7	FOM=	0.79
INDE	-11	2	9	FOBS=	147.9	SIGMA=	2.9	PHAS=	173.7	FOM=	0.15
INDE	-11	2	10	FOBS=	285.1	SIGMA=	1.7	PHAS=	217.1	FOM=	0.96
INDE	-11	2	11	FOBS=	54.1	SIGMA=	7.7	PHAS=	88.0	FOM=	0.07
INDE	-11	2	12	FOBS=	67.7	SIGMA=	5.4	PHAS=	211.6	FOM=	0.18
INDE	-11	2	13	FOBS=	115.0	SIGMA=	3.5	PHAS=	231.3	FOM=	0.74
INDE	-11	2	14	FOBS=	89.7	SIGMA=	6.1	PHAS=	33.8	FOM=	0.12
INDE	-11	2	15	FOBS=	59.9	SIGMA=	8.8	PHAS=	227.4	FOM=	0.41
INDE	-11	3	1	FOBS=	79.2	SIGMA=	7.2	PHAS=	105.6	FOM=	0.27
INDE	-11	3	2	FOBS=	103.4	SIGMA=	5.3	PHAS=	308.1	FOM=	0.77
INDE	-11	3	3	FOBS=	135.8	SIGMA=	3.8	PHAS=	133.8	FOM=	0.89
INDE	-11	3	4	FOBS=	324.0	SIGMA=	1.7	PHAS=	218.8	FOM=	0.96
INDE	-11	3	5	FOBS=	248.6	SIGMA=	2.0	PHAS=	322.6	FOM=	1.00
INDE	-11	3	6	FOBS=	213.5	SIGMA=	2.2	PHAS=	186.0	FOM=	0.90
INDE	-11	3	7	FOBS=	152.6	SIGMA=	2.9	PHAS=	285.5	FOM=	0.95
INDE	-11	3	8	FOBS=	264.1	SIGMA=	2.0	PHAS=	276.6	FOM=	0.99
INDE	-11	3	9	FOBS=	283.6	SIGMA=	1.6	PHAS=	204.9	FOM=	0.94
INDE	-11	3	10	FOBS=	94.6	SIGMA=	4.2	PHAS=	213.6	FOM=	0.02
INDE	-11	3	11	FOBS=	243.4	SIGMA=	1.7	PHAS=	1.1	FOM=	0.61
INDE	-11	3	12	FOBS=	97.2	SIGMA=	4.0	PHAS=	224.1	FOM=	0.19
INDE	-11	3	13	FOBS=	207.2	SIGMA=	2.0	PHAS=	295.9	FOM=	0.90
INDE	-11	3	14	FOBS=	63.3	SIGMA=	7.7	PHAS=	163.4	FOM=	0.19
INDE	-11	3	15	FOBS=	135.2	SIGMA=	3.6	PHAS=	202.5	FOM=	0.49
INDE	-11	4	1	FOBS=	155.9	SIGMA=	3.6	PHAS=	265.8	FOM=	0.13
INDE	-11	4	2	FOBS=	158.3	SIGMA=	3.4	PHAS=	264.9	FOM=	0.23
INDE	-11	4	3	FOBS=	152.8	SIGMA=	3.3	PHAS=	121.9	FOM=	0.27
INDE	-11	4	4	FOBS=	386.1	SIGMA=	1.5	PHAS=	317.2	FOM=	0.94
INDE	-11	4	5	FOBS=	56.1	SIGMA=	8.7	PHAS=	341.4	FOM=	0.19
INDE	-11	4	6	FOBS=	524.8	SIGMA=	1.1	PHAS=	272.7	FOM=	1.00
INDE	-11	4	7	FOBS=	61.1	SIGMA=	6.4	PHAS=	147.8	FOM=	0.32
INDE	-11	4	8	FOBS=	52.2	SIGMA=	9.3	PHAS=	11.3	FOM=	0.23
INDE	-11	4	9	FOBS=	311.3	SIGMA=	1.6	PHAS=	30.6	FOM=	0.98
INDE	-11	4	10	FOBS=	172.0	SIGMA=	2.3	PHAS=	159.7	FOM=	0.55
INDE	-11	4	11	FOBS=	102.1	SIGMA=	4.1	PHAS=	44.5	FOM=	0.79
INDE	-11	4	12	FOBS=	106.2	SIGMA=	3.8	PHAS=	242.4	FOM=	0.80
INDE	-11	4	13	FOBS=	150.4	SIGMA=	2.6	PHAS=	222.4	FOM=	0.50
INDE	-11	4	14	FOBS=	115.3	SIGMA=	4.3	PHAS=	297.2	FOM=	0.60

Fig. 10A-17



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INDE	-11	4	15	FOBS=	139.8	SIGMA=	3.6	PHAS=	218.5	FOM=	0.52
INDE	-11	5	1	FOBS=	135.9	SIGMA=	4.1	PHAS=	149.5	FOM=	0.26
INDE	-11	5	2	FOBS=	77.3	SIGMA=	6.0	PHAS=	134.7	FOM=	0.66
INDE	-11	5	3	FOBS=	369.4	SIGMA=	1.5	PHAS=	14.6	FOM=	0.93
INDE	-11	5	4	FOBS=	153.5	SIGMA=	3.3	PHAS=	8.0	FOM=	0.83
INDE	-11	5	5	FOBS=	170.2	SIGMA=	2.7	PHAS=	238.2	FOM=	0.18
INDE	-11	5	6	FOBS=	471.7	SIGMA=	1.2	PHAS=	319.1	FOM=	0.89
INDE	-11	5	7	FOBS=	129.6	SIGMA=	3.6	PHAS=	351.0	FOM=	0.94
INDE	-11	5	8	FOBS=	378.0	SIGMA=	1.6	PHAS=	36.4	FOM=	0.95
INDE	-11	5	9	FOBS=	75.1	SIGMA=	6.2	PHAS=	229.3	FOM=	0.45
INDE	-11	5	10	FOBS=	365.2	SIGMA=	1.3	PHAS=	316.7	FOM=	1.00
INDE	-11	5	11	FOBS=	78.1	SIGMA=	5.0	PHAS=	62.2	FOM=	0.57
INDE	-11	5	12	FOBS=	216.6	SIGMA=	1.9	PHAS=	264.4	FOM=	0.34
INDE	-11	5	13	FOBS=	239.4	SIGMA=	1.8	PHAS=	25.1	FOM=	0.34
INDE	-11	5	14	FOBS=	95.8	SIGMA=	4.9	PHAS=	296.6	FOM=	0.15
INDE	-11	5	15	FOBS=	189.6	SIGMA=	2.4	PHAS=	90.6	FOM=	0.72
INDE	-11	6	1	FOBS=	126.3	SIGMA=	4.4	PHAS=	96.9	FOM=	0.75
INDE	-11	6	2	FOBS=	209.6	SIGMA=	2.6	PHAS=	321.5	FOM=	0.82
INDE	-11	6	3	FOBS=	252.6	SIGMA=	2.1	PHAS=	128.2	FOM=	0.89
INDE	-11	6	4	FOBS=	248.5	SIGMA=	2.0	PHAS=	305.2	FOM=	0.94
INDE	-11	6	5	FOBS=	395.6	SIGMA=	1.4	PHAS=	295.2	FOM=	0.88
INDE	-11	6	6	FOBS=	187.0	SIGMA=	2.4	PHAS=	144.7	FOM=	0.21
INDE	-11	6	7	FOBS=	174.7	SIGMA=	2.6	PHAS=	236.4	FOM=	0.90
INDE	-11	6	8	FOBS=	156.0	SIGMA=	3.3	PHAS=	353.0	FOM=	0.90
INDE	-11	6	9	FOBS=	178.6	SIGMA=	2.7	PHAS=	286.8	FOM=	0.95
INDE	-11	6	10	FOBS=	155.6	SIGMA=	2.5	PHAS=	349.0	FOM=	0.47
INDE	-11	6	11	FOBS=	193.8	SIGMA=	2.1	PHAS=	112.7	FOM=	0.96
INDE	-11	6	12	FOBS=	82.5	SIGMA=	4.5	PHAS=	181.6	FOM=	0.64
INDE	-11	6	13	FOBS=	123.5	SIGMA=	3.5	PHAS=	3.8	FOM=	0.71
INDE	-11	6	14	FOBS=	230.8	SIGMA=	2.1	PHAS=	289.0	FOM=	0.61
INDE	-11	6	15	FOBS=	82.7	SIGMA=	6.6	PHAS=	109.5	FOM=	0.10
INDE	-11	7	1	FOBS=	126.5	SIGMA=	5.1	PHAS=	6.2	FOM=	0.05
INDE	-11	7	2	FOBS=	219.1	SIGMA=	2.4	PHAS=	156.3	FOM=	0.95
INDE	-11	7	3	FOBS=	319.4	SIGMA=	1.7	PHAS=	243.5	FOM=	0.88
INDE	-11	7	4	FOBS=	136.0	SIGMA=	3.5	PHAS=	69.3	FOM=	0.57
INDE	-11	7	5	FOBS=	327.6	SIGMA=	1.6	PHAS=	178.3	FOM=	0.95
INDE	-11	7	6	FOBS=	89.3	SIGMA=	4.5	PHAS=	13.1	FOM=	0.75
INDE	-11	7	7	FOBS=	199.6	SIGMA=	2.3	PHAS=	48.2	FOM=	0.91
INDE	-11	7	8	FOBS=	218.8	SIGMA=	2.0	PHAS=	16.6	FOM=	0.85
INDE	-11	7	9	FOBS=	423.1	SIGMA=	1.3	PHAS=	61.9	FOM=	0.91
INDE	-11	7	10	FOBS=	74.7	SIGMA=	4.9	PHAS=	285.9	FOM=	0.56
INDE	-11	7	11	FOBS=	84.1	SIGMA=	4.6	PHAS=	118.3	FOM=	0.80
INDE	-11	7	12	FOBS=	73.5	SIGMA=	5.5	PHAS=	312.0	FOM=	0.77
INDE	-11	7	13	FOBS=	129.1	SIGMA=	3.4	PHAS=	266.0	FOM=	0.70
INDE	-11	7	14	FOBS=	121.9	SIGMA=	3.7	PHAS=	89.6	FOM=	0.65
INDE	-11	7	15	FOBS=	158.0	SIGMA=	7.2	PHAS=	216.0	FOM=	0.25
INDE	-11	8	1	FOBS=	100.2	SIGMA=	5.8	PHAS=	33.2	FOM=	0.56
INDE	-11	8	2	FOBS=	129.0	SIGMA=	4.9	PHAS=	126.6	FOM=	0.59
INDE	-11	8	3	FOBS=	263.3	SIGMA=	2.1	PHAS=	151.8	FOM=	0.84
INDE	-11	8	4	FOBS=	403.2	SIGMA=	1.5	PHAS=	40.3	FOM=	1.00
INDE	-11	8	5	FOBS=	249.9	SIGMA=	1.9	PHAS=	58.4	FOM=	0.52
INDE	-11	8	6	FOBS=	184.1	SIGMA=	2.4	PHAS=	39.4	FOM=	0.87
INDE	-11	8	7	FOBS=	241.1	SIGMA=	2.0	PHAS=	284.1	FOM=	0.97
INDE	-11	8	8	FOBS=	251.9	SIGMA=	1.8	PHAS=	28.7	FOM=	0.94
INDE	-11	8	9	FOBS=	151.8	SIGMA=	3.0	PHAS=	294.6	FOM=	0.80
INDE	-11	8	10	FOBS=	220.0	SIGMA=	1.8	PHAS=	98.7	FOM=	0.87
INDE	-11	8	11	FOBS=	233.0	SIGMA=	1.8	PHAS=	340.3	FOM=	0.89
INDE	-11	8	12	FOBS=	138.9	SIGMA=	2.8	PHAS=	208.1	FOM=	0.87
INDE	-11	8	13	FOBS=	53.7	SIGMA=	9.3	PHAS=	132.4	FOM=	0.58
INDE	-11	8	14	FOBS=	82.7	SIGMA=	5.2	PHAS=	250.9	FOM=	0.77
INDE	-11	9	1	FOBS=	199.0	SIGMA=	3.4	PHAS=	136.0	FOM=	0.36
INDE	-11	9	2	FOBS=	294.1	SIGMA=	2.0	PHAS=	171.8	FOM=	0.95
INDE	-11	9	3	FOBS=	376.7	SIGMA=	2.1	PHAS=	250.8	FOM=	0.86
INDE	-11	9	4	FOBS=	87.3	SIGMA=	5.2	PHAS=	272.4	FOM=	0.17
INDE	-11	9	5	FOBS=	40.1	SIGMA=	12.7	PHAS=	2.2	FOM=	0.10
INDE	-11	9	6	FOBS=	80.7	SIGMA=	5.1	PHAS=	297.9	FOM=	0.63
INDE	-11	9	7	FOBS=	194.2	SIGMA=	2.3	PHAS=	334.8	FOM=	0.92
INDE	-11	9	8	FOBS=	172.0	SIGMA=	2.4	PHAS=	282.4	FOM=	0.83
INDE	-11	9	9	FOBS=	136.8	SIGMA=	3.2	PHAS=	165.6	FOM=	0.88
INDE	-11	9	10	FOBS=	68.4	SIGMA=	5.3	PHAS=	42.0	FOM=	0.81
INDE	-11	9	11	FOBS=	168.0	SIGMA=	2.4	PHAS=	184.5	FOM=	0.94

Fig. 10A-18

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INDE	-11	9	12	FOBS=	289.8	SIGMA=	1.5	PHAS=	78.7	FOM=	0.99
INDE	-11	9	13	FOBS=	165.1	SIGMA=	2.7	PHAS=	299.8	FOM=	0.96
INDE	-11	9	14	FOBS=	150.3	SIGMA=	3.0	PHAS=	158.4	FOM=	0.70
INDE	-11	10	1	FOBS=	62.5	SIGMA=	41.1	PHAS=	71.2	FOM=	0.03
INDE	-11	10	2	FOBS=	105.8	SIGMA=	6.4	PHAS=	160.5	FOM=	0.08
INDE	-11	10	3	FOBS=	68.5	SIGMA=	7.5	PHAS=	331.1	FOM=	0.03
INDE	-11	10	4	FOBS=	217.3	SIGMA=	2.6	PHAS=	34.0	FOM=	0.08
INDE	-11	10	5	FOBS=	330.5	SIGMA=	1.6	PHAS=	166.3	FOM=	0.98
INDE	-11	10	6	FOBS=	285.0	SIGMA=	1.7	PHAS=	313.0	FOM=	0.99
INDE	-11	10	7	FOBS=	91.7	SIGMA=	4.6	PHAS=	255.9	FOM=	0.66
INDE	-11	10	8	FOBS=	113.1	SIGMA=	3.9	PHAS=	75.5	FOM=	0.94
INDE	-11	10	9	FOBS=	293.0	SIGMA=	1.6	PHAS=	182.9	FOM=	0.94
INDE	-11	10	10	FOBS=	80.6	SIGMA=	4.6	PHAS=	236.0	FOM=	0.38
INDE	-11	10	11	FOBS=	101.9	SIGMA=	3.7	PHAS=	151.1	FOM=	0.80
INDE	-11	10	12	FOBS=	236.4	SIGMA=	1.7	PHAS=	246.2	FOM=	1.00
INDE	-11	10	13	FOBS=	62.1	SIGMA=	7.3	PHAS=	126.7	FOM=	0.05
INDE	-11	10	14	FOBS=	77.2	SIGMA=	5.3	PHAS=	15.9	FOM=	0.27
INDE	-11	11	1	FOBS=	139.5	SIGMA=	110.4	PHAS=	193.4	FOM=	0.10
INDE	-11	11	2	FOBS=	92.2	SIGMA=	6.7	PHAS=	324.6	FOM=	0.19
INDE	-11	11	3	FOBS=	63.5	SIGMA=	9.0	PHAS=	344.2	FOM=	0.17
INDE	-11	11	4	FOBS=	191.9	SIGMA=	2.7	PHAS=	181.7	FOM=	0.93
INDE	-11	11	5	FOBS=	259.1	SIGMA=	2.2	PHAS=	278.8	FOM=	0.56
INDE	-11	11	6	FOBS=	130.7	SIGMA=	3.2	PHAS=	292.2	FOM=	0.51
INDE	-11	11	7	FOBS=	47.5	SIGMA=	9.9	PHAS=	114.1	FOM=	0.12
INDE	-11	11	8	FOBS=	101.5	SIGMA=	3.6	PHAS=	243.6	FOM=	0.92
INDE	-11	11	9	FOBS=	136.7	SIGMA=	3.0	PHAS=	131.7	FOM=	0.89
INDE	-11	11	10	FOBS=	279.6	SIGMA=	1.5	PHAS=	37.5	FOM=	1.00
INDE	-11	11	11	FOBS=	161.6	SIGMA=	2.4	PHAS=	199.6	FOM=	0.86
INDE	-11	11	12	FOBS=	168.4	SIGMA=	2.2	PHAS=	127.7	FOM=	0.91
INDE	-11	11	13	FOBS=	198.0	SIGMA=	2.5	PHAS=	33.2	FOM=	0.96
INDE	-11	11	14	FOBS=	72.5	SIGMA=	5.3	PHAS=	120.5	FOM=	0.54
INDE	-11	12	1	FOBS=	100.2	SIGMA=	6.0	PHAS=	54.6	FOM=	0.46
INDE	-11	12	2	FOBS=	162.6	SIGMA=	3.6	PHAS=	287.4	FOM=	0.42
INDE	-11	12	3	FOBS=	241.5	SIGMA=	2.5	PHAS=	40.4	FOM=	0.81
INDE	-11	12	4	FOBS=	319.6	SIGMA=	2.0	PHAS=	130.7	FOM=	0.91
INDE	-11	12	5	FOBS=	290.4	SIGMA=	1.7	PHAS=	172.6	FOM=	0.75
INDE	-11	12	6	FOBS=	257.4	SIGMA=	2.0	PHAS=	344.1	FOM=	0.98
INDE	-11	12	7	FOBS=	268.6	SIGMA=	2.0	PHAS=	172.5	FOM=	1.00
INDE	-11	12	8	FOBS=	98.9	SIGMA=	3.6	PHAS=	48.5	FOM=	0.27
INDE	-11	12	9	FOBS=	240.5	SIGMA=	1.7	PHAS=	73.7	FOM=	0.85
INDE	-11	12	10	FOBS=	187.7	SIGMA=	2.0	PHAS=	188.6	FOM=	0.81
INDE	-11	12	11	FOBS=	188.6	SIGMA=	2.0	PHAS=	14.7	FOM=	0.77
INDE	-11	12	12	FOBS=	358.2	SIGMA=	1.6	PHAS=	221.5	FOM=	0.93
INDE	-11	12	13	FOBS=	153.6	SIGMA=	3.1	PHAS=	119.4	FOM=	0.56
INDE	-11	12	14	FOBS=	67.3	SIGMA=	36.7	PHAS=	351.6	FOM=	0.03
INDE	-11	13	1	FOBS=	162.8	SIGMA=	3.7	PHAS=	347.9	FOM=	0.21
INDE	-11	13	2	FOBS=	115.2	SIGMA=	4.9	PHAS=	208.1	FOM=	0.04
INDE	-11	13	3	FOBS=	186.9	SIGMA=	3.0	PHAS=	38.0	FOM=	0.27
INDE	-11	13	4	FOBS=	71.8	SIGMA=	7.6	PHAS=	281.3	FOM=	0.28
INDE	-11	13	5	FOBS=	173.8	SIGMA=	2.7	PHAS=	65.4	FOM=	0.94
INDE	-11	13	6	FOBS=	101.6	SIGMA=	3.9	PHAS=	11.4	FOM=	0.48
INDE	-11	13	7	FOBS=	189.7	SIGMA=	3.8	PHAS=	295.5	FOM=	0.87
INDE	-11	13	8	FOBS=	194.6	SIGMA=	1.9	PHAS=	99.4	FOM=	0.97
INDE	-11	13	9	FOBS=	52.9	SIGMA=	8.0	PHAS=	200.2	FOM=	0.45
INDE	-11	13	10	FOBS=	154.2	SIGMA=	2.2	PHAS=	24.6	FOM=	0.58
INDE	-11	13	11	FOBS=	150.5	SIGMA=	2.3	PHAS=	105.3	FOM=	0.84
INDE	-11	13	12	FOBS=	171.8	SIGMA=	2.4	PHAS=	161.3	FOM=	0.90
INDE	-11	13	13	FOBS=	169.8	SIGMA=	2.8	PHAS=	284.8	FOM=	0.82
INDE	-11	14	1	FOBS=	143.3	SIGMA=	4.6	PHAS=	336.9	FOM=	0.41
INDE	-11	14	2	FOBS=	282.9	SIGMA=	2.3	PHAS=	152.7	FOM=	0.96
INDE	-11	14	3	FOBS=	156.1	SIGMA=	3.5	PHAS=	227.0	FOM=	0.87
INDE	-11	14	4	FOBS=	232.4	SIGMA=	2.2	PHAS=	146.1	FOM=	0.90
INDE	-11	14	5	FOBS=	303.1	SIGMA=	1.8	PHAS=	324.1	FOM=	0.90
INDE	-11	14	6	FOBS=	188.7	SIGMA=	2.4	PHAS=	215.7	FOM=	0.74
INDE	-11	14	7	FOBS=	116.4	SIGMA=	4.7	PHAS=	325.6	FOM=	0.79
INDE	-11	14	8	FOBS=	168.3	SIGMA=	4.2	PHAS=	118.5	FOM=	0.88
INDE	-11	14	9	FOBS=	230.2	SIGMA=	2.0	PHAS=	277.5	FOM=	0.95
INDE	-11	14	10	FOBS=	124.5	SIGMA=	2.7	PHAS=	64.9	FOM=	0.43
INDE	-11	14	11	FOBS=	87.6	SIGMA=	4.4	PHAS=	85.8	FOM=	0.95
INDE	-11	14	12	FOBS=	193.0	SIGMA=	1.9	PHAS=	288.0	FOM=	0.96
INDE	-11	14	13	FOBS=	170.1	SIGMA=	2.9	PHAS=	234.7	FOM=	0.44

Fig. 10A-19

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INDE	-11	15	1	FOBS=	41.5	SIGMA=	19.2	PHAS=	245.1	FOM=	0.15
INDE	-11	15	2	FOBS=	71.9	SIGMA=	7.4	PHAS=	342.5	FOM=	0.15
INDE	-11	15	3	FOBS=	87.9	SIGMA=	5.9	PHAS=	169.4	FOM=	0.60
INDE	-11	15	4	FOBS=	206.8	SIGMA=	2.7	PHAS=	17.7	FOM=	0.82
INDE	-11	15	5	FOBS=	158.8	SIGMA=	2.9	PHAS=	331.0	FOM=	0.82
INDE	-11	15	6	FOBS=	277.3	SIGMA=	1.5	PHAS=	123.6	FOM=	0.93
INDE	-11	15	7	FOBS=	71.5	SIGMA=	10.1	PHAS=	68.6	FOM=	0.32
INDE	-11	15	8	FOBS=	176.5	SIGMA=	3.8	PHAS=	211.1	FOM=	0.20
INDE	-11	15	9	FOBS=	159.3	SIGMA=	5.7	PHAS=	157.8	FOM=	0.22
INDE	-11	15	10	FOBS=	92.5	SIGMA=	4.9	PHAS=	86.1	FOM=	0.74
INDE	-11	15	11	FOBS=	128.1	SIGMA=	2.8	PHAS=	72.6	FOM=	0.86
INDE	-11	15	12	FOBS=	91.2	SIGMA=	3.9	PHAS=	242.4	FOM=	0.92
INDE	-11	15	13	FOBS=	198.3	SIGMA=	2.7	PHAS=	83.2	FOM=	0.92
INDE	-11	16	1	FOBS=	77.8	SIGMA=	8.2	PHAS=	222.8	FOM=	0.50
INDE	-11	16	2	FOBS=	260.3	SIGMA=	2.7	PHAS=	89.6	FOM=	0.78
INDE	-11	16	3	FOBS=	246.4	SIGMA=	2.2	PHAS=	313.2	FOM=	0.95
INDE	-11	16	4	FOBS=	102.4	SIGMA=	4.5	PHAS=	298.8	FOM=	0.13
INDE	-11	16	5	FOBS=	215.4	SIGMA=	2.3	PHAS=	81.9	FOM=	0.44
INDE	-11	16	6	FOBS=	98.7	SIGMA=	3.8	PHAS=	159.7	FOM=	0.87
INDE	-11	16	7	FOBS=	257.7	SIGMA=	3.3	PHAS=	310.2	FOM=	0.61
INDE	-11	16	8	FOBS=	112.7	SIGMA=	5.9	PHAS=	191.7	FOM=	0.16
INDE	-11	16	9	FOBS=	131.3	SIGMA=	7.0	PHAS=	213.2	FOM=	0.05
INDE	-11	16	10	FOBS=	78.5	SIGMA=	7.5	PHAS=	352.6	FOM=	0.10
INDE	-11	16	11	FOBS=	80.1	SIGMA=	4.1	PHAS=	251.2	FOM=	0.96
INDE	-11	16	12	FOBS=	60.3	SIGMA=	5.4	PHAS=	16.2	FOM=	0.38
INDE	-11	17	1	FOBS=	238.3	SIGMA=	2.5	PHAS=	250.8	FOM=	0.87
INDE	-11	17	2	FOBS=	49.4	SIGMA=	12.3	PHAS=	59.9	FOM=	0.38
INDE	-11	17	3	FOBS=	114.4	SIGMA=	4.3	PHAS=	142.6	FOM=	0.82
INDE	-11	17	4	FOBS=	226.0	SIGMA=	2.5	PHAS=	28.2	FOM=	0.48
INDE	-11	17	5	FOBS=	167.7	SIGMA=	2.9	PHAS=	100.2	FOM=	0.81
INDE	-11	17	6	FOBS=	190.4	SIGMA=	4.0	PHAS=	205.3	FOM=	0.75
INDE	-11	17	7	FOBS=	65.3	SIGMA=	4.2	PHAS=	1.9	FOM=	0.14
INDE	-11	17	8	FOBS=	90.5	SIGMA=	8.2	PHAS=	276.4	FOM=	0.12
INDE	-11	17	9	FOBS=	130.8	SIGMA=	7.3	PHAS=	137.2	FOM=	0.65
INDE	-11	17	10	FOBS=	98.2	SIGMA=	6.1	PHAS=	313.2	FOM=	0.35
INDE	-11	17	11	FOBS=	40.0	SIGMA=	18.1	PHAS=	209.1	FOM=	0.12
INDE	-11	17	12	FOBS=	147.5	SIGMA=	2.8	PHAS=	76.9	FOM=	0.79
INDE	-11	18	1	FOBS=	152.3	SIGMA=	4.0	PHAS=	292.2	FOM=	0.24
INDE	-11	18	2	FOBS=	284.9	SIGMA=	2.1	PHAS=	65.3	FOM=	0.79
INDE	-11	18	3	FOBS=	124.6	SIGMA=	4.8	PHAS=	152.8	FOM=	0.61
INDE	-11	18	4	FOBS=	76.0	SIGMA=	5.9	PHAS=	18.4	FOM=	0.58
INDE	-11	18	5	FOBS=	80.9	SIGMA=	4.1	PHAS=	294.6	FOM=	0.29
INDE	-11	18	6	FOBS=	65.8	SIGMA=	10.5	PHAS=	254.3	FOM=	0.22
INDE	-11	18	7	FOBS=	119.3	SIGMA=	6.3	PHAS=	289.0	FOM=	0.24
INDE	-11	18	8	FOBS=	101.0	SIGMA=	8.8	PHAS=	116.8	FOM=	0.04
INDE	-11	18	9	FOBS=	126.0	SIGMA=	8.5	PHAS=	269.2	FOM=	0.11
INDE	-11	18	10	FOBS=	280.8	SIGMA=	2.4	PHAS=	147.4	FOM=	0.23
INDE	-11	18	11	FOBS=	83.7	SIGMA=	6.8	PHAS=	29.1	FOM=	0.04
INDE	-11	19	1	FOBS=	156.4	SIGMA=	3.9	PHAS=	303.9	FOM=	0.76
INDE	-11	19	2	FOBS=	93.6	SIGMA=	5.8	PHAS=	96.8	FOM=	0.48
INDE	-11	19	3	FOBS=	261.4	SIGMA=	3.1	PHAS=	334.9	FOM=	0.94
INDE	-11	19	4	FOBS=	232.7	SIGMA=	2.4	PHAS=	314.5	FOM=	0.71
INDE	-11	19	5	FOBS=	173.4	SIGMA=	2.2	PHAS=	144.1	FOM=	0.81
INDE	-11	19	6	FOBS=	129.6	SIGMA=	5.8	PHAS=	279.1	FOM=	0.65
INDE	-11	19	7	FOBS=	70.1	SIGMA=	9.9	PHAS=	76.9	FOM=	0.27
INDE	-11	19	8	FOBS=	145.1	SIGMA=	5.3	PHAS=	214.8	FOM=	0.55
INDE	-11	19	9	FOBS=	77.3	SIGMA=	15.3	PHAS=	195.4	FOM=	0.60
INDE	-11	19	10	FOBS=	119.6	SIGMA=	5.1	PHAS=	100.1	FOM=	0.83
INDE	-11	19	11	FOBS=	112.5	SIGMA=	5.2	PHAS=	203.0	FOM=	0.52
INDE	-11	20	1	FOBS=	48.9	SIGMA=	13.1	PHAS=	359.5	FOM=	0.07
INDE	-11	20	2	FOBS=	95.5	SIGMA=	5.4	PHAS=	323.4	FOM=	0.10
INDE	-11	20	3	FOBS=	67.2	SIGMA=	7.4	PHAS=	154.8	FOM=	0.06
INDE	-11	20	4	FOBS=	155.3	SIGMA=	3.4	PHAS=	323.8	FOM=	0.62
INDE	-11	20	5	FOBS=	45.8	SIGMA=	8.1	PHAS=	176.4	FOM=	0.34
INDE	-11	20	6	FOBS=	149.9	SIGMA=	4.9	PHAS=	293.9	FOM=	0.86
INDE	-11	20	7	FOBS=	318.7	SIGMA=	2.4	PHAS=	245.0	FOM=	0.87
INDE	-11	20	8	FOBS=	66.9	SIGMA=	9.7	PHAS=	205.2	FOM=	0.26
INDE	-11	20	9	FOBS=	245.3	SIGMA=	4.9	PHAS=	193.4	FOM=	0.06
INDE	-11	20	10	FOBS=	102.8	SIGMA=	7.2	PHAS=	214.5	FOM=	0.03
INDE	-11	21	1	FOBS=	44.7	SIGMA=	22.3	PHAS=	273.0	FOM=	0.14
INDE	-11	21	2	FOBS=	63.5	SIGMA=	8.9	PHAS=	101.5	FOM=	0.25

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INDE	-11	21	3	FOBS=	45.2	SIGMA=	11.5	PHAS=	275.4	FOM=	0.17
INDE	-11	21	4	FOBS=	184.5	SIGMA=	2.9	PHAS=	112.4	FOM=	0.54
INDE	-11	21	5	FOBS=	132.7	SIGMA=	3.4	PHAS=	96.3	FOM=	0.94
INDE	-11	21	6	FOBS=	192.3	SIGMA=	3.7	PHAS=	357.5	FOM=	0.88
INDE	-11	21	7	FOBS=	87.5	SIGMA=	8.4	PHAS=	171.1	FOM=	0.76
INDE	-11	21	8	FOBS=	144.0	SIGMA=	4.6	PHAS=	327.1	FOM=	0.54
INDE	-11	21	9	FOBS=	334.5	SIGMA=	3.0	PHAS=	18.3	FOM=	0.66
INDE	-11	21	10	FOBS=	58.0	SIGMA=	21.3	PHAS=	156.1	FOM=	0.19
INDE	-11	22	1	FOBS=	136.3	SIGMA=	4.3	PHAS=	52.4	FOM=	0.73
INDE	-11	22	2	FOBS=	105.6	SIGMA=	5.0	PHAS=	294.0	FOM=	0.63
INDE	-11	22	3	FOBS=	155.8	SIGMA=	3.2	PHAS=	105.0	FOM=	0.92
INDE	-11	22	4	FOBS=	203.4	SIGMA=	2.5	PHAS=	72.5	FOM=	0.96
INDE	-11	22	5	FOBS=	123.0	SIGMA=	5.9	PHAS=	313.6	FOM=	0.64
INDE	-11	22	6	FOBS=	58.9	SIGMA=	11.3	PHAS=	125.1	FOM=	0.37
INDE	-11	22	7	FOBS=	154.9	SIGMA=	4.4	PHAS=	49.0	FOM=	0.26
INDE	-11	22	8	FOBS=	311.7	SIGMA=	2.6	PHAS=	155.5	FOM=	0.30
INDE	-11	22	9	FOBS=	69.4	SIGMA=	25.3	PHAS=	98.3	FOM=	0.12
INDE	-11	23	1	FOBS=	115.8	SIGMA=	4.7	PHAS=	337.6	FOM=	0.23
INDE	-11	23	2	FOBS=	72.0	SIGMA=	7.0	PHAS=	212.3	FOM=	0.36
INDE	-11	23	3	FOBS=	97.4	SIGMA=	4.7	PHAS=	334.8	FOM=	0.25
INDE	-11	23	4	FOBS=	92.3	SIGMA=	4.7	PHAS=	280.0	FOM=	0.37
INDE	-11	23	5	FOBS=	77.5	SIGMA=	9.0	PHAS=	158.7	FOM=	0.84
INDE	-11	23	6	FOBS=	127.6	SIGMA=	3.4	PHAS=	264.4	FOM=	0.84
INDE	-11	23	7	FOBS=	50.9	SIGMA=	22.9	PHAS=	53.0	FOM=	0.10
INDE	-11	23	8	FOBS=	150.5	SIGMA=	4.2	PHAS=	179.0	FOM=	0.51
INDE	-11	24	1	FOBS=	83.2	SIGMA=	6.4	PHAS=	211.6	FOM=	0.22
INDE	-11	24	2	FOBS=	44.0	SIGMA=	19.7	PHAS=	324.6	FOM=	0.22
INDE	-11	24	3	FOBS=	131.7	SIGMA=	3.7	PHAS=	90.2	FOM=	0.59
INDE	-11	24	4	FOBS=	44.0	SIGMA=	12.9	PHAS=	32.6	FOM=	0.04
INDE	-11	24	5	FOBS=	194.8	SIGMA=	2.3	PHAS=	109.5	FOM=	0.90
INDE	-11	24	6	FOBS=	49.0	SIGMA=	7.3	PHAS=	194.0	FOM=	0.62
INDE	-11	24	7	FOBS=	123.5	SIGMA=	5.1	PHAS=	94.7	FOM=	0.49
INDE	-11	25	1	FOBS=	209.6	SIGMA=	2.7	PHAS=	219.8	FOM=	0.89
INDE	-11	25	2	FOBS=	163.3	SIGMA=	3.0	PHAS=	39.7	FOM=	0.75
INDE	-11	25	3	FOBS=	45.0	SIGMA=	10.5	PHAS=	144.8	FOM=	0.11
INDE	-11	25	4	FOBS=	170.8	SIGMA=	3.1	PHAS=	316.6	FOM=	0.79
INDE	-11	25	5	FOBS=	88.4	SIGMA=	4.0	PHAS=	79.7	FOM=	0.19
INDE	-11	25	6	FOBS=	125.3	SIGMA=	4.3	PHAS=	190.1	FOM=	0.17
INDE	-11	26	1	FOBS=	52.2	SIGMA=	11.6	PHAS=	276.7	FOM=	0.15
INDE	-11	26	2	FOBS=	145.0	SIGMA=	3.5	PHAS=	31.0	FOM=	0.90
INDE	-11	26	3	FOBS=	92.7	SIGMA=	5.5	PHAS=	111.5	FOM=	0.52
INDE	-11	26	4	FOBS=	121.8	SIGMA=	4.9	PHAS=	349.2	FOM=	0.63
INDE	-10	0	1	FOBS=	112.0	SIGMA=	6.3	PHAS=	180.0	FOM=	0.13
INDE	-10	0	2	FOBS=	101.5	SIGMA=	6.6	PHAS=	0.0	FOM=	0.06
INDE	-10	0	3	FOBS=	201.8	SIGMA=	3.3	PHAS=	180.0	FOM=	0.29
INDE	-10	0	4	FOBS=	349.2	SIGMA=	2.1	PHAS=	180.0	FOM=	0.13
INDE	-10	0	5	FOBS=	121.3	SIGMA=	5.0	PHAS=	180.0	FOM=	0.14
INDE	-10	0	6	FOBS=	99.4	SIGMA=	6.0	PHAS=	0.0	FOM=	0.02
INDE	-10	0	7	FOBS=	133.2	SIGMA=	4.2	PHAS=	0.0	FOM=	0.63
INDE	-10	0	8	FOBS=	245.9	SIGMA=	3.2	PHAS=	0.0	FOM=	1.00
INDE	-10	0	9	FOBS=	519.5	SIGMA=	1.8	PHAS=	180.0	FOM=	1.00
INDE	-10	0	10	FOBS=	99.3	SIGMA=	5.8	PHAS=	180.0	FOM=	0.05
INDE	-10	0	11	FOBS=	180.5	SIGMA=	3.1	PHAS=	0.0	FOM=	0.58
INDE	-10	0	12	FOBS=	92.7	SIGMA=	7.3	PHAS=	180.0	FOM=	0.47
INDE	-10	0	13	FOBS=	65.5	SIGMA=	10.4	PHAS=	0.0	FOM=	0.36
INDE	-10	0	14	FOBS=	39.8	SIGMA=	28.4	PHAS=	180.0	FOM=	0.47
INDE	-10	0	15	FOBS=	269.7	SIGMA=	2.3	PHAS=	180.0	FOM=	0.97
INDE	-10	1	1	FOBS=	46.0	SIGMA=	10.7	PHAS=	290.7	FOM=	0.19
INDE	-10	1	2	FOBS=	169.0	SIGMA=	2.9	PHAS=	55.2	FOM=	0.25
INDE	-10	1	3	FOBS=	232.2	SIGMA=	2.1	PHAS=	201.6	FOM=	0.95
INDE	-10	1	4	FOBS=	168.7	SIGMA=	2.8	PHAS=	265.1	FOM=	0.93
INDE	-10	1	5	FOBS=	137.2	SIGMA=	3.2	PHAS=	29.3	FOM=	0.23
INDE	-10	1	6	FOBS=	322.6	SIGMA=	1.7	PHAS=	133.4	FOM=	0.97
INDE	-10	1	7	FOBS=	92.5	SIGMA=	4.4	PHAS=	357.5	FOM=	0.82
INDE	-10	1	8	FOBS=	168.0	SIGMA=	2.6	PHAS=	133.1	FOM=	0.69
INDE	-10	1	9	FOBS=	97.6	SIGMA=	3.9	PHAS=	182.5	FOM=	0.56
INDE	-10	1	10	FOBS=	184.2	SIGMA=	2.2	PHAS=	327.4	FOM=	0.68
INDE	-10	1	11	FOBS=	82.4	SIGMA=	4.9	PHAS=	42.9	FOM=	0.59
INDE	-10	1	12	FOBS=	49.0	SIGMA=	9.4	PHAS=	280.1	FOM=	0.43
INDE	-10	1	13	FOBS=	159.7	SIGMA=	3.3	PHAS=	62.2	FOM=	0.84
INDE	-10	1	14	FOBS=	222.3	SIGMA=	1.9	PHAS=	208.5	FOM=	0.82

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INDE	-10	1	15	FOBS=	182.1	SIGMA=	2.2	PHAS=	73.3	FOM=	0.94
INDE	-10	2	1	FOBS=	159.0	SIGMA=	3.2	PHAS=	119.7	FOM=	0.76
INDE	-10	2	2	FOBS=	371.9	SIGMA=	1.5	PHAS=	185.5	FOM=	0.80
INDE	-10	2	3	FOBS=	221.1	SIGMA=	2.2	PHAS=	8.4	FOM=	0.90
INDE	-10	2	4	FOBS=	150.0	SIGMA=	3.1	PHAS=	324.6	FOM=	0.96
INDE	-10	2	5	FOBS=	274.6	SIGMA=	1.7	PHAS=	175.6	FOM=	0.96
INDE	-10	2	6	FOBS=	425.5	SIGMA=	1.3	PHAS=	8.3	FOM=	0.66
INDE	-10	2	7	FOBS=	336.1	SIGMA=	1.5	PHAS=	41.4	FOM=	0.54
INDE	-10	2	8	FOBS=	110.3	SIGMA=	3.7	PHAS=	254.4	FOM=	0.86
INDE	-10	2	9	FOBS=	316.6	SIGMA=	1.4	PHAS=	336.1	FOM=	1.00
INDE	-10	2	10	FOBS=	319.4	SIGMA=	1.4	PHAS=	237.9	FOM=	0.98
INDE	-10	2	11	FOBS=	99.8	SIGMA=	3.9	PHAS=	255.7	FOM=	0.29
INDE	-10	2	12	FOBS=	188.2	SIGMA=	2.5	PHAS=	107.7	FOM=	0.96
INDE	-10	2	13	FOBS=	156.1	SIGMA=	3.1	PHAS=	327.2	FOM=	0.79
INDE	-10	2	14	FOBS=	293.0	SIGMA=	1.6	PHAS=	189.8	FOM=	0.98
INDE	-10	2	15	FOBS=	141.9	SIGMA=	2.9	PHAS=	53.5	FOM=	0.21
INDE	-10	3	1	FOBS=	291.8	SIGMA=	1.9	PHAS=	222.9	FOM=	0.97
INDE	-10	3	2	FOBS=	320.7	SIGMA=	1.7	PHAS=	85.9	FOM=	0.89
INDE	-10	3	3	FOBS=	201.5	SIGMA=	2.4	PHAS=	177.8	FOM=	0.40
INDE	-10	3	4	FOBS=	273.3	SIGMA=	1.8	PHAS=	98.7	FOM=	0.78
INDE	-10	3	5	FOBS=	141.6	SIGMA=	3.1	PHAS=	179.5	FOM=	0.68
INDE	-10	3	6	FOBS=	154.4	SIGMA=	2.8	PHAS=	95.2	FOM=	0.74
INDE	-10	3	7	FOBS=	147.5	SIGMA=	2.7	PHAS=	122.5	FOM=	0.75
INDE	-10	3	8	FOBS=	350.9	SIGMA=	1.4	PHAS=	167.7	FOM=	0.98
INDE	-10	3	9	FOBS=	168.6	SIGMA=	2.3	PHAS=	272.6	FOM=	0.91
INDE	-10	3	10	FOBS=	339.6	SIGMA=	1.4	PHAS=	275.5	FOM=	0.96
INDE	-10	3	11	FOBS=	340.5	SIGMA=	1.4	PHAS=	116.8	FOM=	0.98
INDE	-10	3	12	FOBS=	192.2	SIGMA=	2.5	PHAS=	342.0	FOM=	0.83
INDE	-10	3	13	FOBS=	370.1	SIGMA=	1.5	PHAS=	133.8	FOM=	0.73
INDE	-10	3	14	FOBS=	68.2	SIGMA=	5.9	PHAS=	97.9	FOM=	0.54
INDE	-10	3	15	FOBS=	104.1	SIGMA=	4.1	PHAS=	69.0	FOM=	0.78
INDE	-10	4	1	FOBS=	63.3	SIGMA=	8.3	PHAS=	221.6	FOM=	0.18
INDE	-10	4	2	FOBS=	230.7	SIGMA=	2.2	PHAS=	74.2	FOM=	0.98
INDE	-10	4	3	FOBS=	375.0	SIGMA=	1.5	PHAS=	183.9	FOM=	0.98
INDE	-10	4	4	FOBS=	332.5	SIGMA=	1.5	PHAS=	227.2	FOM=	0.95
INDE	-10	4	5	FOBS=	440.1	SIGMA=	1.3	PHAS=	117.9	FOM=	0.83
INDE	-10	4	6	FOBS=	102.5	SIGMA=	4.1	PHAS=	138.5	FOM=	0.79
INDE	-10	4	7	FOBS=	215.0	SIGMA=	1.9	PHAS=	308.5	FOM=	0.81
INDE	-10	4	8	FOBS=	56.8	SIGMA=	7.2	PHAS=	194.3	FOM=	0.15
INDE	-10	4	9	FOBS=	492.4	SIGMA=	1.3	PHAS=	329.9	FOM=	0.97
INDE	-10	4	10	FOBS=	343.4	SIGMA=	1.4	PHAS=	140.4	FOM=	0.93
INDE	-10	4	11	FOBS=	408.3	SIGMA=	1.2	PHAS=	224.4	FOM=	0.99
INDE	-10	4	12	FOBS=	392.7	SIGMA=	1.5	PHAS=	269.0	FOM=	0.98
INDE	-10	4	13	FOBS=	255.3	SIGMA=	2.0	PHAS=	187.0	FOM=	0.72
INDE	-10	4	14	FOBS=	79.8	SIGMA=	5.3	PHAS=	163.0	FOM=	0.58
INDE	-10	4	15	FOBS=	191.6	SIGMA=	2.2	PHAS=	49.1	FOM=	0.93
INDE	-10	5	1	FOBS=	159.1	SIGMA=	3.3	PHAS=	229.7	FOM=	0.70
INDE	-10	5	2	FOBS=	88.8	SIGMA=	5.3	PHAS=	35.5	FOM=	0.18
INDE	-10	5	3	FOBS=	482.2	SIGMA=	1.3	PHAS=	322.5	FOM=	0.98
INDE	-10	5	4	FOBS=	189.8	SIGMA=	2.5	PHAS=	304.2	FOM=	0.93
INDE	-10	5	5	FOBS=	366.6	SIGMA=	1.5	PHAS=	244.2	FOM=	0.95
INDE	-10	5	6	FOBS=	464.2	SIGMA=	1.3	PHAS=	210.3	FOM=	0.98
INDE	-10	5	7	FOBS=	163.6	SIGMA=	2.5	PHAS=	347.5	FOM=	0.89
INDE	-10	5	8	FOBS=	61.7	SIGMA=	6.2	PHAS=	101.5	FOM=	0.04
INDE	-10	5	9	FOBS=	78.2	SIGMA=	4.8	PHAS=	46.0	FOM=	0.03
INDE	-10	5	10	FOBS=	100.0	SIGMA=	3.9	PHAS=	323.2	FOM=	0.13
INDE	-10	5	11	FOBS=	185.2	SIGMA=	2.2	PHAS=	86.3	FOM=	0.42
INDE	-10	5	12	FOBS=	200.2	SIGMA=	2.4	PHAS=	171.8	FOM=	0.32
INDE	-10	5	13	FOBS=	192.5	SIGMA=	2.3	PHAS=	213.6	FOM=	0.79
INDE	-10	5	14	FOBS=	69.7	SIGMA=	6.0	PHAS=	327.1	FOM=	0.17
INDE	-10	5	15	FOBS=	190.2	SIGMA=	2.9	PHAS=	239.1	FOM=	0.85
INDE	-10	6	1	FOBS=	100.2	SIGMA=	5.8	PHAS=	92.1	FOM=	0.25
INDE	-10	6	2	FOBS=	96.4	SIGMA=	4.7	PHAS=	278.1	FOM=	0.64
INDE	-10	6	3	FOBS=	153.1	SIGMA=	3.4	PHAS=	347.4	FOM=	0.95
INDE	-10	6	4	FOBS=	316.1	SIGMA=	1.6	PHAS=	325.3	FOM=	0.96
INDE	-10	6	5	FOBS=	225.8	SIGMA=	2.0	PHAS=	50.8	FOM=	0.95
INDE	-10	6	6	FOBS=	168.5	SIGMA=	2.4	PHAS=	140.1	FOM=	0.97
INDE	-10	6	7	FOBS=	154.3	SIGMA=	2.8	PHAS=	69.9	FOM=	0.99
INDE	-10	6	8	FOBS=	163.9	SIGMA=	2.5	PHAS=	353.6	FOM=	0.94
INDE	-10	6	9	FOBS=	226.8	SIGMA=	1.8	PHAS=	110.3	FOM=	0.81
INDE	-10	6	10	FOBS=	256.3	SIGMA=	1.7	PHAS=	333.7	FOM=	0.94

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INDE	-10	6	11	FOBS=	145.3	SIGMA=	2.7	PHAS=	116.6	FOM=	0.17
INDE	-10	6	12	FOBS=	130.5	SIGMA=	4.0	PHAS=	69.5	FOM=	0.88
INDE	-10	6	13	FOBS=	212.4	SIGMA=	2.0	PHAS=	306.4	FOM=	0.94
INDE	-10	6	14	FOBS=	175.7	SIGMA=	2.5	PHAS=	145.3	FOM=	0.82
INDE	-10	6	15	FOBS=	240.1	SIGMA=	1.9	PHAS=	81.7	FOM=	0.96
INDE	-10	7	1	FOBS=	187.4	SIGMA=	3.4	PHAS=	275.3	FOM=	0.28
INDE	-10	7	2	FOBS=	354.0	SIGMA=	1.6	PHAS=	55.5	FOM=	0.73
INDE	-10	7	3	FOBS=	216.4	SIGMA=	2.2	PHAS=	96.7	FOM=	0.25
INDE	-10	7	4	FOBS=	270.1	SIGMA=	1.8	PHAS=	19.4	FOM=	0.89
INDE	-10	7	5	FOBS=	72.5	SIGMA=	5.4	PHAS=	254.3	FOM=	0.36
INDE	-10	7	6	FOBS=	104.7	SIGMA=	4.0	PHAS=	283.7	FOM=	0.77
INDE	-10	7	7	FOBS=	202.4	SIGMA=	2.4	PHAS=	326.0	FOM=	0.60
INDE	-10	7	8	FOBS=	128.5	SIGMA=	3.1	PHAS=	253.5	FOM=	0.91
INDE	-10	7	9	FOBS=	53.8	SIGMA=	7.7	PHAS=	317.2	FOM=	0.53
INDE	-10	7	10	FOBS=	304.4	SIGMA=	1.5	PHAS=	203.6	FOM=	0.94
INDE	-10	7	11	FOBS=	237.0	SIGMA=	1.8	PHAS=	37.4	FOM=	0.92
INDE	-10	7	12	FOBS=	219.9	SIGMA=	2.3	PHAS=	235.6	FOM=	0.94
INDE	-10	7	13	FOBS=	138.6	SIGMA=	3.0	PHAS=	273.6	FOM=	0.01
INDE	-10	7	14	FOBS=	139.3	SIGMA=	3.3	PHAS=	129.3	FOM=	0.85
INDE	-10	7	15	FOBS=	82.1	SIGMA=	5.3	PHAS=	120.1	FOM=	0.08
INDE	-10	8	1	FOBS=	100.7	SIGMA=	5.8	PHAS=	80.9	FOM=	0.24
INDE	-10	8	2	FOBS=	203.6	SIGMA=	3.4	PHAS=	30.2	FOM=	0.79
INDE	-10	8	3	FOBS=	175.5	SIGMA=	2.8	PHAS=	48.7	FOM=	0.78
INDE	-10	8	4	FOBS=	265.1	SIGMA=	1.8	PHAS=	308.1	FOM=	0.29
INDE	-10	8	5	FOBS=	293.1	SIGMA=	1.6	PHAS=	224.7	FOM=	0.88
INDE	-10	8	6	FOBS=	230.8	SIGMA=	1.8	PHAS=	110.9	FOM=	0.98
INDE	-10	8	7	FOBS=	218.1	SIGMA=	2.2	PHAS=	23.7	FOM=	0.99
INDE	-10	8	8	FOBS=	64.7	SIGMA=	5.0	PHAS=	43.1	FOM=	0.84
INDE	-10	8	9	FOBS=	89.3	SIGMA=	4.3	PHAS=	267.1	FOM=	0.70
INDE	-10	8	10	FOBS=	501.5	SIGMA=	1.2	PHAS=	79.8	FOM=	0.99
INDE	-10	8	11	FOBS=	296.1	SIGMA=	1.5	PHAS=	250.7	FOM=	0.96
INDE	-10	8	12	FOBS=	147.9	SIGMA=	3.4	PHAS=	184.1	FOM=	0.34
INDE	-10	8	13	FOBS=	151.4	SIGMA=	2.5	PHAS=	175.3	FOM=	0.71
INDE	-10	8	14	FOBS=	69.9	SIGMA=	6.5	PHAS=	204.6	FOM=	0.06
INDE	-10	8	15	FOBS=	152.6	SIGMA=	2.9	PHAS=	220.4	FOM=	0.07
INDE	-10	9	1	FOBS=	40.7	SIGMA=	19.1	PHAS=	316.9	FOM=	0.25
INDE	-10	9	2	FOBS=	98.3	SIGMA=	5.7	PHAS=	104.4	FOM=	0.01
INDE	-10	9	3	FOBS=	94.9	SIGMA=	6.7	PHAS=	171.9	FOM=	0.59
INDE	-10	9	4	FOBS=	76.8	SIGMA=	4.9	PHAS=	157.9	FOM=	0.34
INDE	-10	9	5	FOBS=	148.6	SIGMA=	2.7	PHAS=	90.3	FOM=	0.62
INDE	-10	9	6	FOBS=	368.7	SIGMA=	1.3	PHAS=	88.7	FOM=	0.98
INDE	-10	9	7	FOBS=	311.2	SIGMA=	1.7	PHAS=	8.9	FOM=	0.97
INDE	-10	9	8	FOBS=	473.0	SIGMA=	1.1	PHAS=	191.0	FOM=	0.97
INDE	-10	9	9	FOBS=	261.9	SIGMA=	1.6	PHAS=	25.5	FOM=	0.98
INDE	-10	9	10	FOBS=	294.2	SIGMA=	1.4	PHAS=	258.0	FOM=	0.83
INDE	-10	9	11	FOBS=	142.0	SIGMA=	2.8	PHAS=	255.2	FOM=	0.63
INDE	-10	9	12	FOBS=	49.8	SIGMA=	12.0	PHAS=	333.7	FOM=	0.13
INDE	-10	9	13	FOBS=	207.3	SIGMA=	1.9	PHAS=	133.9	FOM=	0.98
INDE	-10	9	14	FOBS=	194.7	SIGMA=	2.3	PHAS=	48.3	FOM=	0.62
INDE	-10	9	15	FOBS=	49.7	SIGMA=	9.3	PHAS=	283.1	FOM=	0.15
INDE	-10	10	1	FOBS=	98.6	SIGMA=	5.4	PHAS=	237.6	FOM=	0.21
INDE	-10	10	2	FOBS=	173.4	SIGMA=	3.1	PHAS=	206.4	FOM=	0.94
INDE	-10	10	3	FOBS=	126.1	SIGMA=	4.2	PHAS=	288.5	FOM=	0.76
INDE	-10	10	4	FOBS=	445.4	SIGMA=	1.7	PHAS=	72.0	FOM=	0.99
INDE	-10	10	5	FOBS=	42.2	SIGMA=	9.5	PHAS=	72.6	FOM=	0.61
INDE	-10	10	6	FOBS=	167.1	SIGMA=	2.4	PHAS=	316.5	FOM=	0.94
INDE	-10	10	7	FOBS=	193.2	SIGMA=	2.0	PHAS=	271.7	FOM=	0.63
INDE	-10	10	8	FOBS=	95.6	SIGMA=	3.8	PHAS=	98.8	FOM=	0.71
INDE	-10	10	9	FOBS=	99.2	SIGMA=	3.8	PHAS=	265.6	FOM=	0.73
INDE	-10	10	10	FOBS=	334.7	SIGMA=	1.3	PHAS=	27.9	FOM=	0.92
INDE	-10	10	11	FOBS=	162.3	SIGMA=	2.4	PHAS=	307.9	FOM=	0.84
INDE	-10	10	12	FOBS=	148.2	SIGMA=	3.5	PHAS=	147.4	FOM=	0.94
INDE	-10	10	13	FOBS=	310.9	SIGMA=	1.4	PHAS=	44.4	FOM=	0.98
INDE	-10	10	14	FOBS=	187.9	SIGMA=	2.4	PHAS=	214.6	FOM=	0.86
INDE	-10	10	15	FOBS=	137.6	SIGMA=	8.1	PHAS=	212.4	FOM=	0.60
INDE	-10	11	1	FOBS=	75.8	SIGMA=	7.1	PHAS=	167.4	FOM=	0.61
INDE	-10	11	2	FOBS=	98.6	SIGMA=	5.3	PHAS=	293.9	FOM=	0.58
INDE	-10	11	3	FOBS=	65.7	SIGMA=	7.8	PHAS=	216.4	FOM=	0.32
INDE	-10	11	4	FOBS=	217.0	SIGMA=	2.3	PHAS=	96.0	FOM=	0.92
INDE	-10	11	5	FOBS=	652.5	SIGMA=	1.1	PHAS=	208.6	FOM=	0.95
INDE	-10	11	6	FOBS=	451.7	SIGMA=	1.3	PHAS=	350.6	FOM=	0.77

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INDE	-10	11	7	FOBS=	443.7	SIGMA=	1.3	PHAS=	187.1	FOM=	1.00
INDE	-10	11	8	FOBS=	99.5	SIGMA=	3.9	PHAS=	132.8	FOM=	0.95
INDE	-10	11	9	FOBS=	137.1	SIGMA=	2.6	PHAS=	196.7	FOM=	0.83
INDE	-10	11	10	FOBS=	109.6	SIGMA=	3.3	PHAS=	355.0	FOM=	0.89
INDE	-10	11	11	FOBS=	207.3	SIGMA=	1.9	PHAS=	123.5	FOM=	0.99
INDE	-10	11	12	FOBS=	143.5	SIGMA=	3.4	PHAS=	339.5	FOM=	0.70
INDE	-10	11	13	FOBS=	200.9	SIGMA=	1.9	PHAS=	247.0	FOM=	0.96
INDE	-10	11	14	FOBS=	94.3	SIGMA=	4.4	PHAS=	169.1	FOM=	0.63
INDE	-10	12	1	FOBS=	304.5	SIGMA=	1.9	PHAS=	163.6	FOM=	0.79
INDE	-10	12	2	FOBS=	164.9	SIGMA=	3.2	PHAS=	19.8	FOM=	0.63
INDE	-10	12	3	FOBS=	77.6	SIGMA=	6.2	PHAS=	112.2	FOM=	0.44
INDE	-10	12	4	FOBS=	331.1	SIGMA=	1.9	PHAS=	33.0	FOM=	1.00
INDE	-10	12	5	FOBS=	424.0	SIGMA=	1.4	PHAS=	283.7	FOM=	0.97
INDE	-10	12	6	FOBS=	166.4	SIGMA=	2.6	PHAS=	219.3	FOM=	0.64
INDE	-10	12	7	FOBS=	349.3	SIGMA=	1.6	PHAS=	61.5	FOM=	0.76
INDE	-10	12	8	FOBS=	278.6	SIGMA=	1.4	PHAS=	186.1	FOM=	0.81
INDE	-10	12	9	FOBS=	209.3	SIGMA=	1.7	PHAS=	23.9	FOM=	0.93
INDE	-10	12	10	FOBS=	444.5	SIGMA=	1.1	PHAS=	83.6	FOM=	0.98
INDE	-10	12	11	FOBS=	129.9	SIGMA=	2.9	PHAS=	302.2	FOM=	0.69
INDE	-10	12	12	FOBS=	43.6	SIGMA=	10.4	PHAS=	276.4	FOM=	0.31
INDE	-10	12	13	FOBS=	180.8	SIGMA=	2.2	PHAS=	78.6	FOM=	0.99
INDE	-10	12	14	FOBS=	142.9	SIGMA=	2.8	PHAS=	119.6	FOM=	0.30
INDE	-10	13	1	FOBS=	311.9	SIGMA=	2.4	PHAS=	76.2	FOM=	0.59
INDE	-10	13	2	FOBS=	138.3	SIGMA=	3.9	PHAS=	27.5	FOM=	0.67
INDE	-10	13	3	FOBS=	328.0	SIGMA=	1.8	PHAS=	5.6	FOM=	0.94
INDE	-10	13	4	FOBS=	368.9	SIGMA=	1.6	PHAS=	59.0	FOM=	0.62
INDE	-10	13	5	FOBS=	98.3	SIGMA=	4.0	PHAS=	22.4	FOM=	0.52
INDE	-10	13	6	FOBS=	417.9	SIGMA=	2.4	PHAS=	311.7	FOM=	0.97
INDE	-10	13	7	FOBS=	210.6	SIGMA=	3.3	PHAS=	286.1	FOM=	0.86
INDE	-10	13	8	FOBS=	204.0	SIGMA=	2.1	PHAS=	9.8	FOM=	0.97
INDE	-10	13	9	FOBS=	222.4	SIGMA=	1.8	PHAS=	117.5	FOM=	0.93
INDE	-10	13	10	FOBS=	220.4	SIGMA=	1.7	PHAS=	238.0	FOM=	0.48
INDE	-10	13	11	FOBS=	153.7	SIGMA=	2.5	PHAS=	83.6	FOM=	0.94
INDE	-10	13	12	FOBS=	110.4	SIGMA=	4.4	PHAS=	92.1	FOM=	0.92
INDE	-10	13	13	FOBS=	144.1	SIGMA=	2.7	PHAS=	353.2	FOM=	0.07
INDE	-10	13	14	FOBS=	154.4	SIGMA=	2.5	PHAS=	58.4	FOM=	0.38
INDE	-10	14	1	FOBS=	176.2	SIGMA=	3.5	PHAS=	28.8	FOM=	0.82
INDE	-10	14	2	FOBS=	199.4	SIGMA=	2.7	PHAS=	60.0	FOM=	0.92
INDE	-10	14	3	FOBS=	102.6	SIGMA=	4.7	PHAS=	192.8	FOM=	0.60
INDE	-10	14	4	FOBS=	323.6	SIGMA=	1.4	PHAS=	334.9	FOM=	0.78
INDE	-10	14	5	FOBS=	211.2	SIGMA=	2.1	PHAS=	93.0	FOM=	0.99
INDE	-10	14	6	FOBS=	162.3	SIGMA=	6.5	PHAS=	250.1	FOM=	0.58
INDE	-10	14	7	FOBS=	99.0	SIGMA=	8.1	PHAS=	59.0	FOM=	0.02
INDE	-10	14	8	FOBS=	67.9	SIGMA=	9.0	PHAS=	138.2	FOM=	0.17
INDE	-10	14	9	FOBS=	61.4	SIGMA=	8.9	PHAS=	15.7	FOM=	0.23
INDE	-10	14	10	FOBS=	195.0	SIGMA=	2.0	PHAS=	120.2	FOM=	0.92
INDE	-10	14	11	FOBS=	77.4	SIGMA=	4.4	PHAS=	280.8	FOM=	0.14
INDE	-10	14	12	FOBS=	50.4	SIGMA=	10.4	PHAS=	50.1	FOM=	0.32
INDE	-10	14	13	FOBS=	165.6	SIGMA=	2.3	PHAS=	201.4	FOM=	0.20
INDE	-10	14	14	FOBS=	126.8	SIGMA=	8.5	PHAS=	7.8	FOM=	0.10
INDE	-10	15	1	FOBS=	133.1	SIGMA=	4.4	PHAS=	335.6	FOM=	0.40
INDE	-10	15	2	FOBS=	173.2	SIGMA=	3.5	PHAS=	314.9	FOM=	0.05
INDE	-10	15	3	FOBS=	161.7	SIGMA=	3.1	PHAS=	215.9	FOM=	0.81
INDE	-10	15	4	FOBS=	226.9	SIGMA=	1.9	PHAS=	175.9	FOM=	0.97
INDE	-10	15	5	FOBS=	295.9	SIGMA=	1.5	PHAS=	349.6	FOM=	0.92
INDE	-10	15	6	FOBS=	203.9	SIGMA=	4.3	PHAS=	252.0	FOM=	0.95
INDE	-10	15	7	FOBS=	246.2	SIGMA=	3.8	PHAS=	231.9	FOM=	0.80
INDE	-10	15	8	FOBS=	215.6	SIGMA=	3.1	PHAS=	128.0	FOM=	0.59
INDE	-10	15	9	FOBS=	130.5	SIGMA=	5.2	PHAS=	235.7	FOM=	0.88
INDE	-10	15	10	FOBS=	81.1	SIGMA=	5.7	PHAS=	149.7	FOM=	0.40
INDE	-10	15	11	FOBS=	157.4	SIGMA=	2.5	PHAS=	359.3	FOM=	0.50
INDE	-10	15	12	FOBS=	68.5	SIGMA=	6.4	PHAS=	45.1	FOM=	0.60
INDE	-10	15	13	FOBS=	130.0	SIGMA=	2.9	PHAS=	324.5	FOM=	0.82
INDE	-10	16	1	FOBS=	223.6	SIGMA=	2.6	PHAS=	164.8	FOM=	0.83
INDE	-10	16	2	FOBS=	252.5	SIGMA=	2.2	PHAS=	194.0	FOM=	0.95
INDE	-10	16	3	FOBS=	144.2	SIGMA=	3.7	PHAS=	355.5	FOM=	0.69
INDE	-10	16	4	FOBS=	204.9	SIGMA=	2.5	PHAS=	98.2	FOM=	0.90
INDE	-10	16	5	FOBS=	119.0	SIGMA=	3.1	PHAS=	130.8	FOM=	0.76
INDE	-10	16	6	FOBS=	214.4	SIGMA=	3.4	PHAS=	247.1	FOM=	0.21
INDE	-10	16	7	FOBS=	299.8	SIGMA=	3.3	PHAS=	88.2	FOM=	0.96
INDE	-10	16	8	FOBS=	43.8	SIGMA=	18.7	PHAS=	251.6	FOM=	0.29

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INDE	-10	16	9	FOBS=	50.6	SIGMA=	12.5	PHAS=	308.7	FOM=	0.16
INDE	-10	16	10	FOBS=	50.5	SIGMA=	7.9	PHAS=	124.2	FOM=	0.64
INDE	-10	16	11	FOBS=	51.6	SIGMA=	5.0	PHAS=	28.2	FOM=	0.54
INDE	-10	16	12	FOBS=	208.5	SIGMA=	2.8	PHAS=	343.4	FOM=	0.72
INDE	-10	16	13	FOBS=	44.8	SIGMA=	9.2	PHAS=	171.5	FOM=	0.12
INDE	-10	17	1	FOBS=	222.6	SIGMA=	2.6	PHAS=	248.8	FOM=	0.87
INDE	-10	17	2	FOBS=	111.9	SIGMA=	5.0	PHAS=	151.2	FOM=	0.34
INDE	-10	17	3	FOBS=	318.7	SIGMA=	2.3	PHAS=	0.9	FOM=	0.85
INDE	-10	17	4	FOBS=	278.7	SIGMA=	2.4	PHAS=	230.2	FOM=	0.77
INDE	-10	17	5	FOBS=	65.9	SIGMA=	5.7	PHAS=	147.4	FOM=	0.68
INDE	-10	17	6	FOBS=	135.3	SIGMA=	5.5	PHAS=	46.6	FOM=	0.59
INDE	-10	17	7	FOBS=	114.2	SIGMA=	5.9	PHAS=	143.4	FOM=	0.02
INDE	-10	17	8	FOBS=	80.8	SIGMA=	11.7	PHAS=	207.7	FOM=	0.11
INDE	-10	17	9	FOBS=	43.1	SIGMA=	17.9	PHAS=	5.2	FOM=	0.23
INDE	-10	17	10	FOBS=	35.5	SIGMA=	14.3	PHAS=	106.0	FOM=	0.36
INDE	-10	17	11	FOBS=	84.8	SIGMA=	3.9	PHAS=	269.6	FOM=	0.97
INDE	-10	17	12	FOBS=	146.3	SIGMA=	3.2	PHAS=	192.8	FOM=	0.57
INDE	-10	17	13	FOBS=	173.2	SIGMA=	13.0	PHAS=	134.5	FOM=	0.05
INDE	-10	18	1	FOBS=	104.9	SIGMA=	82.8	PHAS=	324.3	FOM=	0.07
INDE	-10	18	2	FOBS=	154.7	SIGMA=	3.3	PHAS=	38.8	FOM=	0.90
INDE	-10	18	3	FOBS=	107.3	SIGMA=	4.8	PHAS=	309.9	FOM=	0.72
INDE	-10	18	4	FOBS=	167.7	SIGMA=	3.0	PHAS=	231.8	FOM=	0.86
INDE	-10	18	5	FOBS=	165.0	SIGMA=	2.8	PHAS=	134.7	FOM=	0.88
INDE	-10	18	6	FOBS=	230.5	SIGMA=	3.1	PHAS=	19.3	FOM=	0.42
INDE	-10	18	7	FOBS=	210.6	SIGMA=	3.3	PHAS=	236.2	FOM=	0.24
INDE	-10	18	8	FOBS=	277.4	SIGMA=	3.2	PHAS=	57.0	FOM=	0.90
INDE	-10	18	9	FOBS=	108.6	SIGMA=	7.5	PHAS=	59.0	FOM=	0.03
INDE	-10	18	10	FOBS=	187.2	SIGMA=	3.6	PHAS=	178.2	FOM=	0.62
INDE	-10	18	11	FOBS=	90.4	SIGMA=	4.3	PHAS=	285.5	FOM=	0.76
INDE	-10	18	12	FOBS=	69.7	SIGMA=	6.2	PHAS=	134.3	FOM=	0.16
INDE	-10	19	1	FOBS=	373.6	SIGMA=	2.3	PHAS=	94.8	FOM=	0.96
INDE	-10	19	2	FOBS=	96.0	SIGMA=	5.6	PHAS=	205.1	FOM=	0.55
INDE	-10	19	3	FOBS=	172.0	SIGMA=	3.3	PHAS=	310.8	FOM=	0.31
INDE	-10	19	4	FOBS=	275.3	SIGMA=	1.9	PHAS=	109.9	FOM=	0.93
INDE	-10	19	5	FOBS=	207.6	SIGMA=	2.2	PHAS=	302.7	FOM=	0.96
INDE	-10	19	6	FOBS=	345.9	SIGMA=	2.3	PHAS=	94.8	FOM=	0.89
INDE	-10	19	7	FOBS=	284.8	SIGMA=	2.6	PHAS=	359.2	FOM=	0.88
INDE	-10	19	8	FOBS=	139.8	SIGMA=	5.6	PHAS=	246.9	FOM=	0.44
INDE	-10	19	9	FOBS=	177.2	SIGMA=	3.6	PHAS=	180.6	FOM=	0.45
INDE	-10	19	10	FOBS=	58.4	SIGMA=	13.8	PHAS=	264.6	FOM=	0.36
INDE	-10	19	11	FOBS=	185.0	SIGMA=	3.5	PHAS=	68.9	FOM=	0.32
INDE	-10	19	12	FOBS=	229.4	SIGMA=	1.9	PHAS=	42.9	FOM=	0.74
INDE	-10	20	1	FOBS=	60.4	SIGMA=	10.0	PHAS=	148.8	FOM=	0.05
INDE	-10	20	2	FOBS=	49.9	SIGMA=	28.7	PHAS=	187.4	FOM=	0.12
INDE	-10	20	3	FOBS=	200.7	SIGMA=	2.5	PHAS=	30.9	FOM=	0.95
INDE	-10	20	4	FOBS=	254.9	SIGMA=	2.0	PHAS=	239.5	FOM=	0.71
INDE	-10	20	5	FOBS=	56.9	SIGMA=	15.1	PHAS=	149.0	FOM=	0.18
INDE	-10	20	6	FOBS=	178.3	SIGMA=	4.0	PHAS=	37.4	FOM=	0.50
INDE	-10	20	7	FOBS=	58.6	SIGMA=	29.3	PHAS=	269.7	FOM=	0.03
INDE	-10	20	8	FOBS=	236.7	SIGMA=	3.5	PHAS=	148.5	FOM=	0.82
INDE	-10	20	9	FOBS=	112.6	SIGMA=	5.6	PHAS=	292.6	FOM=	0.68
INDE	-10	20	10	FOBS=	82.5	SIGMA=	7.6	PHAS=	60.7	FOM=	0.12
INDE	-10	20	11	FOBS=	224.8	SIGMA=	3.4	PHAS=	52.2	FOM=	0.07
INDE	-10	21	1	FOBS=	196.3	SIGMA=	2.9	PHAS=	225.7	FOM=	0.89
INDE	-10	21	2	FOBS=	156.9	SIGMA=	3.4	PHAS=	347.4	FOM=	0.90
INDE	-10	21	3	FOBS=	72.9	SIGMA=	6.3	PHAS=	226.4	FOM=	0.10
INDE	-10	21	4	FOBS=	179.9	SIGMA=	2.6	PHAS=	216.4	FOM=	0.94
INDE	-10	21	5	FOBS=	130.7	SIGMA=	2.9	PHAS=	34.4	FOM=	0.86
INDE	-10	21	6	FOBS=	98.0	SIGMA=	6.9	PHAS=	127.8	FOM=	0.09
INDE	-10	21	7	FOBS=	228.4	SIGMA=	2.9	PHAS=	24.4	FOM=	0.10
INDE	-10	21	8	FOBS=	93.3	SIGMA=	10.1	PHAS=	254.6	FOM=	0.46
INDE	-10	21	9	FOBS=	78.4	SIGMA=	8.0	PHAS=	64.5	FOM=	0.45
INDE	-10	21	10	FOBS=	97.3	SIGMA=	6.2	PHAS=	359.2	FOM=	0.53
INDE	-10	21	11	FOBS=	167.5	SIGMA=	5.9	PHAS=	16.9	FOM=	0.45
INDE	-10	22	1	FOBS=	48.2	SIGMA=	12.5	PHAS=	315.5	FOM=	0.18
INDE	-10	22	2	FOBS=	39.7	SIGMA=	24.1	PHAS=	38.5	FOM=	0.06
INDE	-10	22	3	FOBS=	265.6	SIGMA=	2.1	PHAS=	98.8	FOM=	0.81
INDE	-10	22	4	FOBS=	35.0	SIGMA=	19.7	PHAS=	216.2	FOM=	0.10
INDE	-10	22	5	FOBS=	56.3	SIGMA=	7.6	PHAS=	34.0	FOM=	0.09
INDE	-10	22	6	FOBS=	192.2	SIGMA=	3.5	PHAS=	324.4	FOM=	0.24
INDE	-10	22	7	FOBS=	268.4	SIGMA=	2.5	PHAS=	84.6	FOM=	0.77

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INDE	-10	22	8	FOBS=	115.8	SIGMA=	8.3	PHAS=	73.9	FOM=	0.89
INDE	-10	22	9	FOBS=	175.6	SIGMA=	3.5	PHAS=	63.3	FOM=	0.92
INDE	-10	22	10	FOBS=	260.3	SIGMA=	2.3	PHAS=	293.5	FOM=	0.95
INDE	-10	23	1	FOBS=	156.9	SIGMA=	3.4	PHAS=	10.5	FOM=	0.48
INDE	-10	23	2	FOBS=	40.0	SIGMA=	13.3	PHAS=	60.7	FOM=	0.07
INDE	-10	23	3	FOBS=	96.8	SIGMA=	4.8	PHAS=	160.1	FOM=	0.72
INDE	-10	23	4	FOBS=	80.2	SIGMA=	7.4	PHAS=	62.5	FOM=	0.37
INDE	-10	23	5	FOBS=	136.5	SIGMA=	2.7	PHAS=	9.4	FOM=	0.88
INDE	-10	23	6	FOBS=	126.1	SIGMA=	5.3	PHAS=	264.1	FOM=	0.37
INDE	-10	23	7	FOBS=	175.8	SIGMA=	3.7	PHAS=	76.7	FOM=	0.96
INDE	-10	23	8	FOBS=	57.4	SIGMA=	15.6	PHAS=	350.6	FOM=	0.09
INDE	-10	23	9	FOBS=	71.7	SIGMA=	7.8	PHAS=	229.2	FOM=	0.19
INDE	-10	24	1	FOBS=	50.0	SIGMA=	10.6	PHAS=	348.9	FOM=	0.30
INDE	-10	24	2	FOBS=	133.9	SIGMA=	3.7	PHAS=	99.1	FOM=	0.86
INDE	-10	24	3	FOBS=	117.8	SIGMA=	4.0	PHAS=	319.5	FOM=	0.44
INDE	-10	24	4	FOBS=	107.1	SIGMA=	5.5	PHAS=	1.7	FOM=	0.53
INDE	-10	24	5	FOBS=	149.6	SIGMA=	2.6	PHAS=	231.1	FOM=	0.95
INDE	-10	24	6	FOBS=	100.0	SIGMA=	4.7	PHAS=	71.0	FOM=	0.42
INDE	-10	24	7	FOBS=	132.8	SIGMA=	4.8	PHAS=	112.7	FOM=	0.21
INDE	-10	24	8	FOBS=	53.1	SIGMA=	25.1	PHAS=	165.3	FOM=	0.13
INDE	-10	24	9	FOBS=	106.7	SIGMA=	11.9	PHAS=	308.6	FOM=	0.10
INDE	-10	25	1	FOBS=	139.9	SIGMA=	3.8	PHAS=	252.7	FOM=	0.79
INDE	-10	25	2	FOBS=	44.2	SIGMA=	11.9	PHAS=	133.3	FOM=	0.49
INDE	-10	25	3	FOBS=	112.4	SIGMA=	4.1	PHAS=	322.3	FOM=	0.88
INDE	-10	25	4	FOBS=	107.7	SIGMA=	4.1	PHAS=	301.8	FOM=	0.20
INDE	-10	25	5	FOBS=	131.3	SIGMA=	2.8	PHAS=	220.3	FOM=	0.64
INDE	-10	25	6	FOBS=	140.3	SIGMA=	2.6	PHAS=	281.7	FOM=	0.86
INDE	-10	25	7	FOBS=	45.6	SIGMA=	18.4	PHAS=	115.2	FOM=	0.31
INDE	-10	25	8	FOBS=	73.9	SIGMA=	16.3	PHAS=	283.1	FOM=	0.12
INDE	-10	26	1	FOBS=	122.7	SIGMA=	4.2	PHAS=	284.1	FOM=	0.25
INDE	-10	26	2	FOBS=	82.5	SIGMA=	5.6	PHAS=	135.6	FOM=	0.14
INDE	-10	26	3	FOBS=	97.1	SIGMA=	5.0	PHAS=	79.0	FOM=	0.18
INDE	-10	26	4	FOBS=	44.4	SIGMA=	9.1	PHAS=	15.7	FOM=	0.04
INDE	-10	26	5	FOBS=	140.1	SIGMA=	2.7	PHAS=	252.2	FOM=	0.84
INDE	-10	26	6	FOBS=	109.0	SIGMA=	3.1	PHAS=	111.9	FOM=	0.90
INDE	-10	26	7	FOBS=	179.6	SIGMA=	14.8	PHAS=	208.6	FOM=	0.05
INDE	-10	27	1	FOBS=	55.2	SIGMA=	10.5	PHAS=	9.6	FOM=	0.21
INDE	-10	27	2	FOBS=	222.9	SIGMA=	2.4	PHAS=	89.9	FOM=	0.94
INDE	-10	27	3	FOBS=	141.3	SIGMA=	3.9	PHAS=	336.2	FOM=	0.25
INDE	-10	27	4	FOBS=	137.1	SIGMA=	2.9	PHAS=	359.4	FOM=	0.71
INDE	-10	27	5	FOBS=	199.1	SIGMA=	1.9	PHAS=	272.6	FOM=	0.92
INDE	-9	0	1	FOBS=	93.7	SIGMA=	6.8	PHAS=	180.0	FOM=	0.12
INDE	-9	0	2	FOBS=	42.3	SIGMA=	16.7	PHAS=	0.0	FOM=	0.12
INDE	-9	0	3	FOBS=	184.9	SIGMA=	3.4	PHAS=	180.0	FOM=	0.92
INDE	-9	0	4	FOBS=	160.4	SIGMA=	3.7	PHAS=	0.0	FOM=	0.98
INDE	-9	0	5	FOBS=	115.1	SIGMA=	4.9	PHAS=	0.0	FOM=	0.14
INDE	-9	0	6	FOBS=	28.2	SIGMA=	21.5	PHAS=	180.0	FOM=	0.22
INDE	-9	0	7	FOBS=	170.8	SIGMA=	3.6	PHAS=	180.0	FOM=	1.00
INDE	-9	0	8	FOBS=	43.7	SIGMA=	7.4	PHAS=	0.0	FOM=	0.61
INDE	-9	0	9	FOBS=	129.1	SIGMA=	3.7	PHAS=	180.0	FOM=	0.98
INDE	-9	0	10	FOBS=	430.4	SIGMA=	1.6	PHAS=	0.0	FOM=	1.00
INDE	-9	0	11	FOBS=	345.6	SIGMA=	2.8	PHAS=	180.0	FOM=	1.00
INDE	-9	0	12	FOBS=	371.5	SIGMA=	1.9	PHAS=	0.0	FOM=	1.00
INDE	-9	0	13	FOBS=	539.6	SIGMA=	1.5	PHAS=	180.0	FOM=	1.00
INDE	-9	0	14	FOBS=	54.1	SIGMA=	11.9	PHAS=	180.0	FOM=	0.07
INDE	-9	0	15	FOBS=	131.8	SIGMA=	5.5	PHAS=	0.0	FOM=	0.58
INDE	-9	0	16	FOBS=	196.8	SIGMA=	3.3	PHAS=	0.0	FOM=	0.08
INDE	-9	1	1	FOBS=	79.7	SIGMA=	5.6	PHAS=	263.8	FOM=	0.16
INDE	-9	1	2	FOBS=	205.2	SIGMA=	2.2	PHAS=	100.7	FOM=	0.83
INDE	-9	1	3	FOBS=	150.6	SIGMA=	2.9	PHAS=	39.5	FOM=	0.79
INDE	-9	1	4	FOBS=	229.2	SIGMA=	1.9	PHAS=	242.0	FOM=	0.94
INDE	-9	1	5	FOBS=	90.4	SIGMA=	4.3	PHAS=	89.3	FOM=	0.42
INDE	-9	1	6	FOBS=	138.8	SIGMA=	2.8	PHAS=	187.7	FOM=	0.09
INDE	-9	1	7	FOBS=	179.3	SIGMA=	2.3	PHAS=	173.0	FOM=	0.29
INDE	-9	1	8	FOBS=	259.9	SIGMA=	1.5	PHAS=	160.3	FOM=	0.15
INDE	-9	1	9	FOBS=	321.1	SIGMA=	1.4	PHAS=	289.2	FOM=	0.98
INDE	-9	1	10	FOBS=	139.6	SIGMA=	2.6	PHAS=	226.3	FOM=	0.96
INDE	-9	1	11	FOBS=	168.5	SIGMA=	3.3	PHAS=	68.6	FOM=	0.27
INDE	-9	1	12	FOBS=	284.5	SIGMA=	1.6	PHAS=	226.1	FOM=	0.97
INDE	-9	1	13	FOBS=	129.3	SIGMA=	3.2	PHAS=	256.1	FOM=	0.85
INDE	-9	1	14	FOBS=	166.0	SIGMA=	2.7	PHAS=	15.6	FOM=	0.85

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INDE	-9	1	15	FOBS=	78.1	SIGMA=	5.9	PHAS=	89.9	FOM=	0.40
INDE	-9	1	16	FOBS=	76.3	SIGMA=	6.0	PHAS=	190.2	FOM=	0.19
INDE	-9	2	1	FOBS=	275.5	SIGMA=	1.9	PHAS=	352.2	FOM=	0.97
INDE	-9	2	2	FOBS=	103.1	SIGMA=	4.7	PHAS=	111.2	FOM=	0.92
INDE	-9	2	3	FOBS=	235.1	SIGMA=	1.9	PHAS=	309.0	FOM=	0.94
INDE	-9	2	4	FOBS=	245.5	SIGMA=	1.7	PHAS=	193.3	FOM=	1.00
INDE	-9	2	5	FOBS=	243.2	SIGMA=	1.7	PHAS=	274.9	FOM=	0.27
INDE	-9	2	6	FOBS=	231.1	SIGMA=	1.8	PHAS=	181.0	FOM=	0.98
INDE	-9	2	7	FOBS=	353.7	SIGMA=	1.4	PHAS=	289.1	FOM=	0.95
INDE	-9	2	8	FOBS=	242.3	SIGMA=	1.6	PHAS=	84.5	FOM=	1.00
INDE	-9	2	9	FOBS=	207.1	SIGMA=	1.8	PHAS=	161.2	FOM=	0.87
INDE	-9	2	10	FOBS=	330.6	SIGMA=	1.4	PHAS=	107.4	FOM=	0.92
INDE	-9	2	11	FOBS=	177.4	SIGMA=	3.0	PHAS=	318.4	FOM=	0.60
INDE	-9	2	12	FOBS=	220.7	SIGMA=	2.0	PHAS=	13.8	FOM=	0.96
INDE	-9	2	13	FOBS=	131.3	SIGMA=	3.5	PHAS=	214.6	FOM=	0.92
INDE	-9	2	14	FOBS=	193.1	SIGMA=	2.2	PHAS=	253.8	FOM=	0.87
INDE	-9	2	15	FOBS=	181.7	SIGMA=	2.5	PHAS=	153.1	FOM=	0.82
INDE	-9	2	16	FOBS=	104.0	SIGMA=	4.5	PHAS=	291.2	FOM=	0.76
INDE	-9	3	1	FOBS=	234.7	SIGMA=	2.0	PHAS=	209.9	FOM=	0.24
INDE	-9	3	2	FOBS=	317.8	SIGMA=	1.6	PHAS=	36.7	FOM=	0.96
INDE	-9	3	3	FOBS=	313.1	SIGMA=	1.5	PHAS=	217.5	FOM=	0.91
INDE	-9	3	4	FOBS=	237.8	SIGMA=	1.8	PHAS=	317.2	FOM=	0.96
INDE	-9	3	5	FOBS=	100.9	SIGMA=	3.4	PHAS=	337.1	FOM=	0.90
INDE	-9	3	6	FOBS=	424.4	SIGMA=	1.1	PHAS=	295.4	FOM=	1.00
INDE	-9	3	7	FOBS=	609.1	SIGMA=	1.2	PHAS=	168.3	FOM=	1.00
INDE	-9	3	8	FOBS=	408.8	SIGMA=	1.2	PHAS=	171.8	FOM=	1.00
INDE	-9	3	9	FOBS=	236.7	SIGMA=	1.6	PHAS=	323.4	FOM=	0.94
INDE	-9	3	10	FOBS=	286.8	SIGMA=	1.5	PHAS=	311.6	FOM=	0.97
INDE	-9	3	11	FOBS=	74.3	SIGMA=	6.2	PHAS=	202.3	FOM=	0.23
INDE	-9	3	12	FOBS=	91.3	SIGMA=	4.7	PHAS=	143.2	FOM=	0.65
INDE	-9	3	13	FOBS=	351.4	SIGMA=	1.4	PHAS=	11.2	FOM=	0.77
INDE	-9	3	14	FOBS=	118.9	SIGMA=	3.9	PHAS=	262.2	FOM=	0.86
INDE	-9	3	15	FOBS=	181.9	SIGMA=	2.5	PHAS=	71.7	FOM=	0.91
INDE	-9	3	16	FOBS=	218.3	SIGMA=	2.2	PHAS=	260.3	FOM=	0.80
INDE	-9	4	1	FOBS=	380.5	SIGMA=	1.4	PHAS=	228.8	FOM=	0.77
INDE	-9	4	2	FOBS=	188.4	SIGMA=	2.4	PHAS=	170.1	FOM=	0.84
INDE	-9	4	3	FOBS=	260.3	SIGMA=	1.8	PHAS=	19.8	FOM=	0.96
INDE	-9	4	4	FOBS=	157.1	SIGMA=	2.7	PHAS=	102.4	FOM=	0.96
INDE	-9	4	5	FOBS=	163.0	SIGMA=	2.5	PHAS=	162.3	FOM=	0.50
INDE	-9	4	6	FOBS=	222.3	SIGMA=	1.8	PHAS=	85.8	FOM=	0.99
INDE	-9	4	7	FOBS=	148.5	SIGMA=	2.7	PHAS=	210.7	FOM=	0.78
INDE	-9	4	8	FOBS=	296.5	SIGMA=	1.4	PHAS=	160.1	FOM=	0.97
INDE	-9	4	9	FOBS=	260.1	SIGMA=	1.5	PHAS=	259.6	FOM=	0.97
INDE	-9	4	10	FOBS=	415.2	SIGMA=	1.2	PHAS=	29.6	FOM=	0.62
INDE	-9	4	11	FOBS=	81.1	SIGMA=	5.0	PHAS=	126.4	FOM=	0.39
INDE	-9	4	12	FOBS=	386.1	SIGMA=	1.4	PHAS=	111.9	FOM=	0.90
INDE	-9	4	13	FOBS=	244.9	SIGMA=	1.9	PHAS=	321.0	FOM=	0.71
INDE	-9	4	14	FOBS=	193.6	SIGMA=	2.2	PHAS=	59.1	FOM=	0.55
INDE	-9	4	15	FOBS=	89.1	SIGMA=	4.8	PHAS=	20.0	FOM=	0.63
INDE	-9	4	16	FOBS=	154.9	SIGMA=	3.0	PHAS=	239.4	FOM=	0.91
INDE	-9	5	1	FOBS=	72.0	SIGMA=	6.9	PHAS=	6.9	FOM=	0.13
INDE	-9	5	2	FOBS=	203.8	SIGMA=	2.2	PHAS=	24.7	FOM=	0.83
INDE	-9	5	3	FOBS=	108.2	SIGMA=	3.7	PHAS=	122.2	FOM=	0.84
INDE	-9	5	4	FOBS=	176.2	SIGMA=	2.3	PHAS=	60.7	FOM=	0.89
INDE	-9	5	5	FOBS=	369.3	SIGMA=	1.2	PHAS=	58.6	FOM=	0.31
INDE	-9	5	6	FOBS=	307.2	SIGMA=	1.5	PHAS=	23.4	FOM=	0.96
INDE	-9	5	7	FOBS=	283.1	SIGMA=	1.4	PHAS=	156.2	FOM=	0.99
INDE	-9	5	8	FOBS=	81.0	SIGMA=	4.6	PHAS=	347.3	FOM=	0.87
INDE	-9	5	9	FOBS=	64.2	SIGMA=	5.3	PHAS=	289.7	FOM=	0.42
INDE	-9	5	10	FOBS=	350.6	SIGMA=	1.3	PHAS=	189.3	FOM=	0.99
INDE	-9	5	11	FOBS=	183.5	SIGMA=	2.2	PHAS=	355.6	FOM=	0.91
INDE	-9	5	12	FOBS=	199.8	SIGMA=	2.2	PHAS=	225.4	FOM=	0.68
INDE	-9	5	13	FOBS=	216.9	SIGMA=	2.1	PHAS=	218.3	FOM=	0.77
INDE	-9	5	14	FOBS=	169.8	SIGMA=	2.5	PHAS=	198.0	FOM=	0.48
INDE	-9	5	15	FOBS=	313.7	SIGMA=	1.6	PHAS=	339.9	FOM=	0.91
INDE	-9	5	16	FOBS=	114.0	SIGMA=	4.5	PHAS=	339.4	FOM=	0.24
INDE	-9	6	1	FOBS=	288.4	SIGMA=	2.4	PHAS=	282.4	FOM=	0.98
INDE	-9	6	2	FOBS=	253.8	SIGMA=	2.0	PHAS=	119.5	FOM=	0.94
INDE	-9	6	3	FOBS=	428.8	SIGMA=	1.3	PHAS=	322.7	FOM=	0.91
INDE	-9	6	4	FOBS=	288.9	SIGMA=	1.5	PHAS=	108.6	FOM=	0.92
INDE	-9	6	5	FOBS=	115.0	SIGMA=	3.4	PHAS=	334.2	FOM=	0.82

Fig. 10A-27

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INDE	-9	6	6	FOBS=	426.7	SIGMA=	1.2	PHAS=	266.7	FOM=	0.98
INDE	-9	6	7	FOBS=	288.1	SIGMA=	1.4	PHAS=	315.7	FOM=	0.95
INDE	-9	6	8	FOBS=	261.5	SIGMA=	1.5	PHAS=	258.0	FOM=	0.36
INDE	-9	6	9	FOBS=	157.3	SIGMA=	2.2	PHAS=	230.3	FOM=	0.86
INDE	-9	6	10	FOBS=	92.9	SIGMA=	4.8	PHAS=	215.2	FOM=	0.50
INDE	-9	6	11	FOBS=	162.9	SIGMA=	2.4	PHAS=	122.7	FOM=	0.34
INDE	-9	6	12	FOBS=	196.2	SIGMA=	2.4	PHAS=	16.3	FOM=	0.69
INDE	-9	6	13	FOBS=	359.7	SIGMA=	1.5	PHAS=	153.8	FOM=	0.97
INDE	-9	6	14	FOBS=	98.6	SIGMA=	4.5	PHAS=	275.4	FOM=	0.82
INDE	-9	6	15	FOBS=	280.5	SIGMA=	1.7	PHAS=	24.3	FOM=	0.38
INDE	-9	6	16	FOBS=	81.4	SIGMA=	12.1	PHAS=	162.0	FOM=	0.08
INDE	-9	7	1	FOBS=	109.2	SIGMA=	4.4	PHAS=	160.1	FOM=	0.72
INDE	-9	7	2	FOBS=	212.7	SIGMA=	2.9	PHAS=	231.5	FOM=	0.97
INDE	-9	7	3	FOBS=	220.0	SIGMA=	2.0	PHAS=	261.5	FOM=	0.95
INDE	-9	7	4	FOBS=	147.0	SIGMA=	2.8	PHAS=	331.2	FOM=	0.11
INDE	-9	7	5	FOBS=	230.6	SIGMA=	1.7	PHAS=	292.0	FOM=	0.88
INDE	-9	7	6	FOBS=	246.7	SIGMA=	1.6	PHAS=	186.7	FOM=	0.30
INDE	-9	7	7	FOBS=	273.3	SIGMA=	1.4	PHAS=	129.5	FOM=	0.98
INDE	-9	7	8	FOBS=	69.4	SIGMA=	4.7	PHAS=	30.2	FOM=	0.27
INDE	-9	7	9	FOBS=	304.6	SIGMA=	1.5	PHAS=	214.5	FOM=	0.20
INDE	-9	7	10	FOBS=	76.1	SIGMA=	6.3	PHAS=	261.2	FOM=	0.12
INDE	-9	7	11	FOBS=	131.3	SIGMA=	3.3	PHAS=	358.2	FOM=	0.90
INDE	-9	7	12	FOBS=	145.8	SIGMA=	3.1	PHAS=	135.6	FOM=	0.76
INDE	-9	7	13	FOBS=	35.9	SIGMA=	11.5	PHAS=	342.7	FOM=	0.07
INDE	-9	7	14	FOBS=	275.8	SIGMA=	1.7	PHAS=	309.1	FOM=	0.97
INDE	-9	7	15	FOBS=	145.5	SIGMA=	3.0	PHAS=	56.3	FOM=	0.91
INDE	-9	8	1	FOBS=	199.1	SIGMA=	2.4	PHAS=	304.4	FOM=	0.91
INDE	-9	8	2	FOBS=	233.9	SIGMA=	2.2	PHAS=	193.4	FOM=	0.95
INDE	-9	8	3	FOBS=	270.9	SIGMA=	1.9	PHAS=	254.7	FOM=	0.88
INDE	-9	8	4	FOBS=	225.6	SIGMA=	1.9	PHAS=	36.1	FOM=	0.96
INDE	-9	8	5	FOBS=	170.2	SIGMA=	2.3	PHAS=	254.9	FOM=	0.98
INDE	-9	8	6	FOBS=	230.3	SIGMA=	1.7	PHAS=	67.2	FOM=	0.72
INDE	-9	8	7	FOBS=	217.1	SIGMA=	1.6	PHAS=	87.0	FOM=	0.94
INDE	-9	8	8	FOBS=	173.9	SIGMA=	2.0	PHAS=	153.9	FOM=	0.91
INDE	-9	8	9	FOBS=	207.1	SIGMA=	1.8	PHAS=	339.4	FOM=	0.85
INDE	-9	8	10	FOBS=	118.8	SIGMA=	4.5	PHAS=	290.1	FOM=	0.56
INDE	-9	8	11	FOBS=	317.2	SIGMA=	1.5	PHAS=	148.6	FOM=	1.00
INDE	-9	8	12	FOBS=	283.9	SIGMA=	1.8	PHAS=	316.6	FOM=	0.97
INDE	-9	8	13	FOBS=	160.4	SIGMA=	2.6	PHAS=	332.0	FOM=	0.74
INDE	-9	8	14	FOBS=	149.2	SIGMA=	2.8	PHAS=	260.6	FOM=	0.47
INDE	-9	8	15	FOBS=	68.5	SIGMA=	6.1	PHAS=	25.6	FOM=	0.13
INDE	-9	9	1	FOBS=	240.6	SIGMA=	2.1	PHAS=	224.0	FOM=	0.72
INDE	-9	9	2	FOBS=	348.7	SIGMA=	1.7	PHAS=	45.4	FOM=	1.00
INDE	-9	9	3	FOBS=	119.4	SIGMA=	4.0	PHAS=	351.6	FOM=	0.70
INDE	-9	9	4	FOBS=	230.0	SIGMA=	2.0	PHAS=	166.1	FOM=	0.95
INDE	-9	9	5	FOBS=	98.9	SIGMA=	3.6	PHAS=	310.0	FOM=	0.61
INDE	-9	9	6	FOBS=	89.7	SIGMA=	4.1	PHAS=	159.2	FOM=	0.55
INDE	-9	9	7	FOBS=	124.1	SIGMA=	2.6	PHAS=	213.9	FOM=	0.94
INDE	-9	9	8	FOBS=	353.0	SIGMA=	1.1	PHAS=	315.5	FOM=	0.97
INDE	-9	9	9	FOBS=	60.1	SIGMA=	5.3	PHAS=	15.6	FOM=	0.68
INDE	-9	9	10	FOBS=	126.8	SIGMA=	3.9	PHAS=	260.6	FOM=	0.53
INDE	-9	9	11	FOBS=	51.4	SIGMA=	7.5	PHAS=	48.6	FOM=	0.09
INDE	-9	9	12	FOBS=	113.0	SIGMA=	3.8	PHAS=	15.0	FOM=	0.87
INDE	-9	9	13	FOBS=	189.7	SIGMA=	2.3	PHAS=	206.1	FOM=	0.80
INDE	-9	9	14	FOBS=	168.3	SIGMA=	2.5	PHAS=	57.0	FOM=	0.18
INDE	-9	9	15	FOBS=	70.3	SIGMA=	6.0	PHAS=	263.9	FOM=	0.18
INDE	-9	10	1	FOBS=	116.0	SIGMA=	4.3	PHAS=	265.3	FOM=	0.10
INDE	-9	10	2	FOBS=	75.2	SIGMA=	5.8	PHAS=	359.7	FOM=	0.46
INDE	-9	10	3	FOBS=	111.4	SIGMA=	3.9	PHAS=	294.6	FOM=	0.91
INDE	-9	10	4	FOBS=	252.5	SIGMA=	1.9	PHAS=	278.8	FOM=	0.93
INDE	-9	10	5	FOBS=	167.8	SIGMA=	2.2	PHAS=	24.6	FOM=	0.27
INDE	-9	10	6	FOBS=	490.5	SIGMA=	1.4	PHAS=	26.8	FOM=	0.95
INDE	-9	10	7	FOBS=	104.4	SIGMA=	2.9	PHAS=	111.2	FOM=	0.93
INDE	-9	10	8	FOBS=	81.9	SIGMA=	4.1	PHAS=	329.9	FOM=	0.92
INDE	-9	10	9	FOBS=	77.3	SIGMA=	4.4	PHAS=	192.4	FOM=	0.89
INDE	-9	10	10	FOBS=	137.9	SIGMA=	3.5	PHAS=	200.6	FOM=	0.28
INDE	-9	10	11	FOBS=	182.1	SIGMA=	2.2	PHAS=	242.9	FOM=	1.00
INDE	-9	10	12	FOBS=	298.1	SIGMA=	1.6	PHAS=	105.9	FOM=	0.99
INDE	-9	10	13	FOBS=	245.9	SIGMA=	2.0	PHAS=	150.2	FOM=	0.68
INDE	-9	10	14	FOBS=	72.3	SIGMA=	4.8	PHAS=	240.9	FOM=	0.97
INDE	-9	10	15	FOBS=	202.0	SIGMA=	2.1	PHAS=	274.6	FOM=	0.86

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INDE	-9	11	1	FOBS=	106.9	SIGMA=	5.0	PHAS=	327.1	FOM=	0.33
INDE	-9	11	2	FOBS=	61.5	SIGMA=	7.3	PHAS=	151.8	FOM=	0.29
INDE	-9	11	3	FOBS=	58.9	SIGMA=	7.4	PHAS=	262.0	FOM=	0.39
INDE	-9	11	4	FOBS=	242.5	SIGMA=	1.8	PHAS=	298.2	FOM=	0.97
INDE	-9	11	5	FOBS=	336.6	SIGMA=	2.1	PHAS=	165.2	FOM=	0.99
INDE	-9	11	6	FOBS=	488.6	SIGMA=	1.7	PHAS=	335.1	FOM=	0.96
INDE	-9	11	7	FOBS=	161.7	SIGMA=	2.1	PHAS=	315.0	FOM=	0.94
INDE	-9	11	8	FOBS=	290.6	SIGMA=	1.3	PHAS=	96.2	FOM=	0.37
INDE	-9	11	9	FOBS=	372.9	SIGMA=	1.2	PHAS=	105.8	FOM=	0.83
INDE	-9	11	10	FOBS=	220.2	SIGMA=	2.3	PHAS=	121.5	FOM=	0.76
INDE	-9	11	11	FOBS=	167.7	SIGMA=	2.2	PHAS=	186.4	FOM=	0.21
INDE	-9	11	12	FOBS=	88.0	SIGMA=	4.5	PHAS=	305.1	FOM=	0.40
INDE	-9	11	13	FOBS=	131.5	SIGMA=	3.5	PHAS=	39.6	FOM=	0.13
INDE	-9	11	14	FOBS=	128.5	SIGMA=	3.1	PHAS=	73.6	FOM=	0.86
INDE	-9	11	15	FOBS=	147.0	SIGMA=	2.9	PHAS=	255.5	FOM=	0.60
INDE	-9	12	1	FOBS=	369.2	SIGMA=	1.8	PHAS=	282.8	FOM=	0.95
INDE	-9	12	2	FOBS=	218.4	SIGMA=	2.2	PHAS=	57.5	FOM=	0.94
INDE	-9	12	3	FOBS=	112.9	SIGMA=	3.9	PHAS=	342.4	FOM=	0.94
INDE	-9	12	4	FOBS=	241.7	SIGMA=	2.0	PHAS=	194.8	FOM=	0.95
INDE	-9	12	5	FOBS=	360.4	SIGMA=	1.6	PHAS=	229.9	FOM=	0.89
INDE	-9	12	6	FOBS=	196.0	SIGMA=	4.5	PHAS=	285.0	FOM=	0.00
INDE	-9	12	7	FOBS=	204.0	SIGMA=	2.7	PHAS=	289.4	FOM=	0.95
INDE	-9	12	8	FOBS=	458.7	SIGMA=	1.2	PHAS=	279.2	FOM=	0.96
INDE	-9	12	9	FOBS=	215.8	SIGMA=	1.9	PHAS=	280.0	FOM=	0.66
INDE	-9	12	10	FOBS=	146.3	SIGMA=	3.4	PHAS=	160.0	FOM=	0.79
INDE	-9	12	11	FOBS=	197.9	SIGMA=	2.0	PHAS=	224.6	FOM=	0.79
INDE	-9	12	12	FOBS=	58.0	SIGMA=	7.9	PHAS=	158.5	FOM=	0.44
INDE	-9	12	13	FOBS=	141.5	SIGMA=	3.0	PHAS=	47.4	FOM=	0.83
INDE	-9	12	14	FOBS=	217.8	SIGMA=	2.1	PHAS=	98.0	FOM=	0.80
INDE	-9	12	15	FOBS=	160.4	SIGMA=	5.6	PHAS=	168.3	FOM=	0.87
INDE	-9	13	1	FOBS=	255.6	SIGMA=	2.1	PHAS=	357.8	FOM=	0.93
INDE	-9	13	2	FOBS=	100.0	SIGMA=	5.5	PHAS=	171.6	FOM=	0.47
INDE	-9	13	3	FOBS=	258.2	SIGMA=	1.7	PHAS=	230.9	FOM=	0.91
INDE	-9	13	4	FOBS=	268.9	SIGMA=	1.4	PHAS=	293.5	FOM=	0.86
INDE	-9	13	5	FOBS=	251.8	SIGMA=	1.5	PHAS=	178.8	FOM=	0.98
INDE	-9	13	6	FOBS=	413.7	SIGMA=	2.4	PHAS=	23.0	FOM=	0.97
INDE	-9	13	7	FOBS=	211.6	SIGMA=	4.2	PHAS=	129.4	FOM=	0.71
INDE	-9	13	8	FOBS=	116.0	SIGMA=	6.6	PHAS=	323.1	FOM=	0.28
INDE	-9	13	9	FOBS=	73.3	SIGMA=	3.9	PHAS=	86.5	FOM=	0.90
INDE	-9	13	10	FOBS=	229.2	SIGMA=	2.3	PHAS=	204.1	FOM=	0.85
INDE	-9	13	11	FOBS=	91.3	SIGMA=	4.3	PHAS=	123.5	FOM=	0.06
INDE	-9	13	12	FOBS=	175.8	SIGMA=	2.2	PHAS=	36.4	FOM=	0.81
INDE	-9	13	13	FOBS=	108.6	SIGMA=	3.8	PHAS=	155.7	FOM=	0.47
INDE	-9	13	14	FOBS=	182.9	SIGMA=	2.4	PHAS=	268.9	FOM=	0.77
INDE	-9	14	1	FOBS=	577.6	SIGMA=	1.4	PHAS=	127.0	FOM=	0.94
INDE	-9	14	2	FOBS=	196.1	SIGMA=	2.7	PHAS=	301.6	FOM=	0.66
INDE	-9	14	3	FOBS=	84.0	SIGMA=	4.8	PHAS=	320.7	FOM=	0.10
INDE	-9	14	4	FOBS=	242.8	SIGMA=	2.1	PHAS=	83.6	FOM=	0.95
INDE	-9	14	5	FOBS=	242.5	SIGMA=	1.4	PHAS=	265.5	FOM=	0.69
INDE	-9	14	6	FOBS=	67.3	SIGMA=	9.5	PHAS=	312.4	FOM=	0.25
INDE	-9	14	7	FOBS=	101.7	SIGMA=	8.5	PHAS=	196.0	FOM=	0.49
INDE	-9	14	8	FOBS=	92.3	SIGMA=	9.4	PHAS=	328.1	FOM=	0.16
INDE	-9	14	9	FOBS=	379.9	SIGMA=	2.0	PHAS=	4.6	FOM=	0.85
INDE	-9	14	10	FOBS=	239.9	SIGMA=	2.2	PHAS=	120.5	FOM=	0.92
INDE	-9	14	11	FOBS=	44.0	SIGMA=	10.0	PHAS=	310.3	FOM=	0.25
INDE	-9	14	12	FOBS=	78.6	SIGMA=	4.8	PHAS=	191.4	FOM=	0.47
INDE	-9	14	13	FOBS=	152.8	SIGMA=	2.4	PHAS=	210.1	FOM=	0.90
INDE	-9	14	14	FOBS=	165.9	SIGMA=	2.7	PHAS=	26.9	FOM=	0.88
INDE	-9	15	1	FOBS=	335.4	SIGMA=	1.7	PHAS=	197.1	FOM=	1.00
INDE	-9	15	2	FOBS=	392.8	SIGMA=	1.5	PHAS=	17.3	FOM=	0.97
INDE	-9	15	3	FOBS=	94.5	SIGMA=	5.4	PHAS=	222.8	FOM=	0.45
INDE	-9	15	4	FOBS=	555.4	SIGMA=	2.0	PHAS=	36.5	FOM=	0.91
INDE	-9	15	5	FOBS=	467.0	SIGMA=	1.9	PHAS=	303.5	FOM=	0.40
INDE	-9	15	6	FOBS=	327.0	SIGMA=	2.4	PHAS=	119.8	FOM=	0.97
INDE	-9	15	7	FOBS=	118.5	SIGMA=	5.5	PHAS=	286.5	FOM=	0.84
INDE	-9	15	8	FOBS=	340.6	SIGMA=	2.8	PHAS=	168.7	FOM=	0.41
INDE	-9	15	9	FOBS=	123.9	SIGMA=	5.9	PHAS=	240.0	FOM=	0.48
INDE	-9	15	10	FOBS=	155.7	SIGMA=	4.4	PHAS=	291.3	FOM=	0.95
INDE	-9	15	11	FOBS=	78.5	SIGMA=	5.1	PHAS=	19.3	FOM=	0.66
INDE	-9	15	12	FOBS=	82.4	SIGMA=	4.4	PHAS=	116.4	FOM=	0.45
INDE	-9	15	13	FOBS=	94.6	SIGMA=	4.4	PHAS=	236.3	FOM=	0.75

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INDE	-9	15	14	FOBS=	92.9	SIGMA=	5.1	PHAS=	119.7	FOM=	0.40
INDE	-9	16	1	FOBS=	73.2	SIGMA=	7.9	PHAS=	81.2	FOM=	0.44
INDE	-9	16	2	FOBS=	168.6	SIGMA=	2.9	PHAS=	327.9	FOM=	0.67
INDE	-9	16	3	FOBS=	314.8	SIGMA=	1.8	PHAS=	104.9	FOM=	0.78
INDE	-9	16	4	FOBS=	271.6	SIGMA=	2.1	PHAS=	341.6	FOM=	0.97
INDE	-9	16	5	FOBS=	213.7	SIGMA=	3.1	PHAS=	107.8	FOM=	0.84
INDE	-9	16	6	FOBS=	289.1	SIGMA=	2.7	PHAS=	44.3	FOM=	0.71
INDE	-9	16	7	FOBS=	140.2	SIGMA=	4.8	PHAS=	213.6	FOM=	0.27
INDE	-9	16	8	FOBS=	131.6	SIGMA=	6.0	PHAS=	62.6	FOM=	0.37
INDE	-9	16	9	FOBS=	226.9	SIGMA=	3.5	PHAS=	234.0	FOM=	0.29
INDE	-9	16	10	FOBS=	113.2	SIGMA=	3.8	PHAS=	184.6	FOM=	0.61
INDE	-9	16	11	FOBS=	113.3	SIGMA=	2.9	PHAS=	201.6	FOM=	0.58
INDE	-9	16	12	FOBS=	100.3	SIGMA=	3.7	PHAS=	227.8	FOM=	0.73
INDE	-9	16	13	FOBS=	135.4	SIGMA=	2.9	PHAS=	122.6	FOM=	0.79
INDE	-9	17	1	FOBS=	321.3	SIGMA=	1.9	PHAS=	55.5	FOM=	0.15
INDE	-9	17	2	FOBS=	252.0	SIGMA=	2.0	PHAS=	110.9	FOM=	0.97
INDE	-9	17	3	FOBS=	97.6	SIGMA=	4.7	PHAS=	349.1	FOM=	0.84
INDE	-9	17	4	FOBS=	360.9	SIGMA=	1.5	PHAS=	84.0	FOM=	0.78
INDE	-9	17	5	FOBS=	268.2	SIGMA=	2.6	PHAS=	256.0	FOM=	1.00
INDE	-9	17	6	FOBS=	107.5	SIGMA=	6.8	PHAS=	96.1	FOM=	0.55
INDE	-9	17	7	FOBS=	220.0	SIGMA=	3.1	PHAS=	202.2	FOM=	0.63
INDE	-9	17	8	FOBS=	354.7	SIGMA=	2.2	PHAS=	42.4	FOM=	0.67
INDE	-9	17	9	FOBS=	260.2	SIGMA=	3.0	PHAS=	348.6	FOM=	0.49
INDE	-9	17	10	FOBS=	114.3	SIGMA=	4.6	PHAS=	228.7	FOM=	0.42
INDE	-9	17	11	FOBS=	237.2	SIGMA=	1.5	PHAS=	109.0	FOM=	0.96
INDE	-9	17	12	FOBS=	135.3	SIGMA=	2.4	PHAS=	102.2	FOM=	0.97
INDE	-9	17	13	FOBS=	128.7	SIGMA=	3.1	PHAS=	103.8	FOM=	0.39
INDE	-9	18	1	FOBS=	179.2	SIGMA=	3.1	PHAS=	115.2	FOM=	0.65
INDE	-9	18	2	FOBS=	286.6	SIGMA=	2.3	PHAS=	333.9	FOM=	0.84
INDE	-9	18	3	FOBS=	191.2	SIGMA=	2.8	PHAS=	79.5	FOM=	0.28
INDE	-9	18	4	FOBS=	183.3	SIGMA=	2.3	PHAS=	144.7	FOM=	0.34
INDE	-9	18	5	FOBS=	269.0	SIGMA=	2.4	PHAS=	315.8	FOM=	0.53
INDE	-9	18	6	FOBS=	96.3	SIGMA=	7.1	PHAS=	147.0	FOM=	0.21
INDE	-9	18	7	FOBS=	103.0	SIGMA=	6.2	PHAS=	89.7	FOM=	0.06
INDE	-9	18	8	FOBS=	41.8	SIGMA=	22.9	PHAS=	268.4	FOM=	0.19
INDE	-9	18	9	FOBS=	172.9	SIGMA=	3.4	PHAS=	283.7	FOM=	0.72
INDE	-9	18	10	FOBS=	163.6	SIGMA=	4.9	PHAS=	16.4	FOM=	0.12
INDE	-9	18	11	FOBS=	112.1	SIGMA=	2.4	PHAS=	146.6	FOM=	0.59
INDE	-9	18	12	FOBS=	154.5	SIGMA=	2.1	PHAS=	285.3	FOM=	0.65
INDE	-9	18	13	FOBS=	187.3	SIGMA=	1.9	PHAS=	198.8	FOM=	0.93
INDE	-9	19	1	FOBS=	120.6	SIGMA=	4.7	PHAS=	276.0	FOM=	0.69
INDE	-9	19	2	FOBS=	121.4	SIGMA=	4.3	PHAS=	79.7	FOM=	0.44
INDE	-9	19	3	FOBS=	256.7	SIGMA=	1.9	PHAS=	23.9	FOM=	0.92
INDE	-9	19	4	FOBS=	105.7	SIGMA=	4.1	PHAS=	198.1	FOM=	0.89
INDE	-9	19	5	FOBS=	133.3	SIGMA=	4.5	PHAS=	21.6	FOM=	0.66
INDE	-9	19	6	FOBS=	126.3	SIGMA=	5.6	PHAS=	167.1	FOM=	0.47
INDE	-9	19	7	FOBS=	139.4	SIGMA=	4.8	PHAS=	212.2	FOM=	0.60
INDE	-9	19	8	FOBS=	208.2	SIGMA=	3.4	PHAS=	32.5	FOM=	0.15
INDE	-9	19	9	FOBS=	148.8	SIGMA=	4.4	PHAS=	142.2	FOM=	0.45
INDE	-9	19	10	FOBS=	127.7	SIGMA=	5.2	PHAS=	193.8	FOM=	0.71
INDE	-9	19	11	FOBS=	44.1	SIGMA=	5.4	PHAS=	106.5	FOM=	0.20
INDE	-9	19	12	FOBS=	229.3	SIGMA=	2.0	PHAS=	231.5	FOM=	0.69
INDE	-9	20	1	FOBS=	65.8	SIGMA=	8.3	PHAS=	133.7	FOM=	0.35
INDE	-9	20	2	FOBS=	439.7	SIGMA=	1.9	PHAS=	22.1	FOM=	0.98
INDE	-9	20	3	FOBS=	53.6	SIGMA=	8.9	PHAS=	272.0	FOM=	0.27
INDE	-9	20	4	FOBS=	72.0	SIGMA=	7.4	PHAS=	112.6	FOM=	0.09
INDE	-9	20	5	FOBS=	154.3	SIGMA=	2.3	PHAS=	195.1	FOM=	0.67
INDE	-9	20	6	FOBS=	79.4	SIGMA=	8.9	PHAS=	239.7	FOM=	0.38
INDE	-9	20	7	FOBS=	426.2	SIGMA=	2.3	PHAS=	112.0	FOM=	0.92
INDE	-9	20	8	FOBS=	183.3	SIGMA=	3.8	PHAS=	48.6	FOM=	0.79
INDE	-9	20	9	FOBS=	211.8	SIGMA=	3.0	PHAS=	119.4	FOM=	0.93
INDE	-9	20	10	FOBS=	77.7	SIGMA=	7.6	PHAS=	341.0	FOM=	0.51
INDE	-9	20	11	FOBS=	114.8	SIGMA=	2.8	PHAS=	220.4	FOM=	0.73
INDE	-9	20	12	FOBS=	160.2	SIGMA=	2.0	PHAS=	43.5	FOM=	0.98
INDE	-9	21	1	FOBS=	128.0	SIGMA=	4.3	PHAS=	206.2	FOM=	0.04
INDE	-9	21	2	FOBS=	173.1	SIGMA=	2.8	PHAS=	115.9	FOM=	0.83
INDE	-9	21	3	FOBS=	82.2	SIGMA=	5.7	PHAS=	347.4	FOM=	0.20
INDE	-9	21	4	FOBS=	70.1	SIGMA=	8.1	PHAS=	331.3	FOM=	0.23
INDE	-9	21	5	FOBS=	103.7	SIGMA=	3.4	PHAS=	135.2	FOM=	0.76
INDE	-9	21	6	FOBS=	65.8	SIGMA=	43.8	PHAS=	351.3	FOM=	0.14
INDE	-9	21	7	FOBS=	106.1	SIGMA=	6.1	PHAS=	34.8	FOM=	0.45

Fig. 10A-30

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INDE	-9	21	8	FOBS=	127.4	SIGMA=	5.1	PHAS=	216.7	FOM=	0.52
INDE	-9	21	9	FOBS=	58.9	SIGMA=	10.2	PHAS=	359.4	FOM=	0.26
INDE	-9	21	10	FOBS=	44.7	SIGMA=	18.6	PHAS=	276.1	FOM=	0.04
INDE	-9	21	11	FOBS=	168.8	SIGMA=	1.8	PHAS=	339.0	FOM=	0.76
INDE	-9	22	1	FOBS=	159.7	SIGMA=	3.3	PHAS=	167.2	FOM=	0.72
INDE	-9	22	2	FOBS=	73.3	SIGMA=	6.5	PHAS=	336.5	FOM=	0.36
INDE	-9	22	3	FOBS=	61.3	SIGMA=	7.6	PHAS=	323.8	FOM=	0.27
INDE	-9	22	4	FOBS=	163.8	SIGMA=	2.4	PHAS=	2.1	FOM=	0.96
INDE	-9	22	5	FOBS=	268.8	SIGMA=	1.9	PHAS=	105.6	FOM=	0.95
INDE	-9	22	6	FOBS=	50.6	SIGMA=	8.9	PHAS=	314.4	FOM=	0.59
INDE	-9	22	7	FOBS=	69.9	SIGMA=	9.5	PHAS=	133.0	FOM=	0.54
INDE	-9	22	8	FOBS=	272.5	SIGMA=	2.5	PHAS=	9.9	FOM=	0.77
INDE	-9	22	9	FOBS=	90.3	SIGMA=	6.5	PHAS=	271.1	FOM=	0.54
INDE	-9	22	10	FOBS=	245.9	SIGMA=	2.5	PHAS=	202.4	FOM=	0.68
INDE	-9	22	11	FOBS=	237.7	SIGMA=	2.4	PHAS=	231.1	FOM=	0.94
INDE	-9	23	1	FOBS=	278.7	SIGMA=	2.0	PHAS=	127.1	FOM=	0.92
INDE	-9	23	2	FOBS=	45.8	SIGMA=	11.0	PHAS=	311.5	FOM=	0.29
INDE	-9	23	3	FOBS=	124.4	SIGMA=	3.5	PHAS=	191.4	FOM=	0.24
INDE	-9	23	4	FOBS=	139.5	SIGMA=	2.9	PHAS=	104.6	FOM=	0.64
INDE	-9	23	5	FOBS=	35.5	SIGMA=	16.5	PHAS=	288.9	FOM=	0.18
INDE	-9	23	6	FOBS=	80.7	SIGMA=	4.4	PHAS=	112.2	FOM=	0.77
INDE	-9	23	7	FOBS=	136.7	SIGMA=	4.7	PHAS=	183.8	FOM=	0.24
INDE	-9	23	8	FOBS=	53.7	SIGMA=	11.0	PHAS=	239.7	FOM=	0.14
INDE	-9	23	9	FOBS=	173.4	SIGMA=	3.4	PHAS=	331.5	FOM=	0.90
INDE	-9	23	10	FOBS=	201.8	SIGMA=	3.0	PHAS=	245.0	FOM=	0.98
INDE	-9	24	1	FOBS=	35.8	SIGMA=	13.0	PHAS=	353.1	FOM=	0.29
INDE	-9	24	2	FOBS=	166.4	SIGMA=	2.9	PHAS=	205.5	FOM=	0.81
INDE	-9	24	3	FOBS=	138.0	SIGMA=	4.1	PHAS=	179.2	FOM=	0.33
INDE	-9	24	4	FOBS=	90.0	SIGMA=	4.2	PHAS=	196.6	FOM=	0.28
INDE	-9	24	5	FOBS=	218.2	SIGMA=	1.7	PHAS=	338.1	FOM=	0.85
INDE	-9	24	6	FOBS=	344.2	SIGMA=	1.2	PHAS=	230.9	FOM=	0.96
INDE	-9	24	7	FOBS=	56.2	SIGMA=	12.6	PHAS=	162.8	FOM=	0.41
INDE	-9	24	8	FOBS=	37.6	SIGMA=	15.6	PHAS=	23.6	FOM=	0.34
INDE	-9	24	9	FOBS=	191.6	SIGMA=	2.9	PHAS=	12.2	FOM=	0.82
INDE	-9	25	1	FOBS=	83.5	SIGMA=	6.3	PHAS=	106.6	FOM=	0.22
INDE	-9	25	2	FOBS=	94.1	SIGMA=	4.7	PHAS=	165.5	FOM=	0.79
INDE	-9	25	3	FOBS=	203.2	SIGMA=	2.7	PHAS=	67.9	FOM=	0.19
INDE	-9	25	4	FOBS=	51.8	SIGMA=	7.7	PHAS=	67.0	FOM=	0.32
INDE	-9	25	5	FOBS=	206.2	SIGMA=	1.8	PHAS=	103.3	FOM=	0.97
INDE	-9	25	6	FOBS=	169.8	SIGMA=	2.0	PHAS=	146.2	FOM=	0.98
INDE	-9	25	7	FOBS=	301.6	SIGMA=	2.5	PHAS=	38.9	FOM=	1.00
INDE	-9	25	8	FOBS=	132.6	SIGMA=	4.7	PHAS=	270.8	FOM=	0.31
INDE	-9	25	9	FOBS=	41.0	SIGMA=	17.1	PHAS=	115.2	FOM=	0.21
INDE	-9	26	1	FOBS=	252.3	SIGMA=	2.3	PHAS=	99.3	FOM=	0.69
INDE	-9	26	2	FOBS=	167.8	SIGMA=	2.8	PHAS=	306.7	FOM=	0.47
INDE	-9	26	3	FOBS=	218.5	SIGMA=	2.1	PHAS=	334.3	FOM=	0.90
INDE	-9	26	4	FOBS=	78.9	SIGMA=	4.8	PHAS=	200.5	FOM=	0.59
INDE	-9	26	5	FOBS=	134.3	SIGMA=	2.8	PHAS=	292.6	FOM=	0.73
INDE	-9	26	6	FOBS=	155.5	SIGMA=	2.2	PHAS=	124.3	FOM=	0.90
INDE	-9	26	7	FOBS=	109.9	SIGMA=	3.1	PHAS=	209.6	FOM=	0.16
INDE	-9	26	8	FOBS=	40.7	SIGMA=	14.3	PHAS=	223.0	FOM=	0.04
INDE	-9	27	1	FOBS=	54.8	SIGMA=	8.5	PHAS=	232.0	FOM=	0.41
INDE	-9	27	2	FOBS=	100.4	SIGMA=	5.8	PHAS=	316.0	FOM=	0.70
INDE	-9	27	3	FOBS=	50.6	SIGMA=	9.3	PHAS=	124.0	FOM=	0.16
INDE	-9	27	4	FOBS=	142.5	SIGMA=	2.8	PHAS=	214.6	FOM=	0.80
INDE	-9	27	5	FOBS=	67.6	SIGMA=	5.4	PHAS=	33.3	FOM=	0.78
INDE	-9	27	6	FOBS=	215.0	SIGMA=	1.9	PHAS=	120.2	FOM=	0.98
INDE	-9	27	7	FOBS=	133.0	SIGMA=	4.8	PHAS=	51.0	FOM=	0.46
INDE	-9	28	1	FOBS=	103.2	SIGMA=	4.4	PHAS=	123.1	FOM=	0.23
INDE	-9	28	2	FOBS=	95.6	SIGMA=	5.9	PHAS=	244.6	FOM=	0.03
INDE	-9	28	3	FOBS=	142.2	SIGMA=	3.1	PHAS=	354.8	FOM=	0.20
INDE	-9	28	4	FOBS=	59.0	SIGMA=	6.6	PHAS=	232.8	FOM=	0.19
INDE	-9	28	5	FOBS=	131.1	SIGMA=	2.9	PHAS=	83.4	FOM=	0.44
INDE	-9	29	2	FOBS=	100.0	SIGMA=	8.2	PHAS=	15.7	FOM=	0.12
INDE	-8	0	1	FOBS=	315.2	SIGMA=	2.1	PHAS=	0.0	FOM=	0.94
INDE	-8	0	2	FOBS=	57.1	SIGMA=	9.8	PHAS=	180.0	FOM=	0.38
INDE	-8	0	3	FOBS=	125.4	SIGMA=	4.6	PHAS=	0.0	FOM=	0.25
INDE	-8	0	4	FOBS=	222.0	SIGMA=	2.6	PHAS=	0.0	FOM=	0.98
INDE	-8	0	5	FOBS=	155.3	SIGMA=	3.6	PHAS=	180.0	FOM=	1.00
INDE	-8	0	6	FOBS=	88.3	SIGMA=	5.9	PHAS=	0.0	FOM=	0.85
INDE	-8	0	7	FOBS=	222.5	SIGMA=	2.2	PHAS=	180.0	FOM=	0.13

Fig. 10A-31

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INDE	-8	0	8	FOBS=	142.4	SIGMA=	3.4	PHAS=	180.0	FOM=	0.19
INDE	-8	0	9	FOBS=	149.5	SIGMA=	3.3	PHAS=	0.0	FOM=	0.19
INDE	-8	0	10	FOBS=	150.9	SIGMA=	3.3	PHAS=	0.0	FOM=	0.70
INDE	-8	0	11	FOBS=	327.1	SIGMA=	1.9	PHAS=	180.0	FOM=	0.82
INDE	-8	0	12	FOBS=	55.7	SIGMA=	11.4	PHAS=	180.0	FOM=	0.01
INDE	-8	0	13	FOBS=	42.5	SIGMA=	22.0	PHAS=	180.0	FOM=	0.02
INDE	-8	0	14	FOBS=	355.7	SIGMA=	2.2	PHAS=	0.0	FOM=	1.00
INDE	-8	0	15	FOBS=	93.4	SIGMA=	7.5	PHAS=	180.0	FOM=	0.74
INDE	-8	0	16	FOBS=	201.9	SIGMA=	3.3	PHAS=	0.0	FOM=	0.01
INDE	-8	1	1	FOBS=	87.3	SIGMA=	4.7	PHAS=	157.4	FOM=	0.54
INDE	-8	1	2	FOBS=	255.3	SIGMA=	1.7	PHAS=	212.5	FOM=	0.94
INDE	-8	1	3	FOBS=	261.2	SIGMA=	1.7	PHAS=	322.0	FOM=	0.98
INDE	-8	1	4	FOBS=	126.0	SIGMA=	3.3	PHAS=	92.3	FOM=	0.98
INDE	-8	1	5	FOBS=	89.9	SIGMA=	4.0	PHAS=	199.4	FOM=	0.43
INDE	-8	1	6	FOBS=	384.9	SIGMA=	1.3	PHAS=	358.3	FOM=	0.93
INDE	-8	1	7	FOBS=	87.1	SIGMA=	4.0	PHAS=	161.8	FOM=	0.93
INDE	-8	1	8	FOBS=	258.9	SIGMA=	1.4	PHAS=	89.2	FOM=	0.97
INDE	-8	1	9	FOBS=	214.1	SIGMA=	1.8	PHAS=	338.5	FOM=	0.91
INDE	-8	1	10	FOBS=	125.0	SIGMA=	2.9	PHAS=	93.6	FOM=	0.20
INDE	-8	1	11	FOBS=	168.9	SIGMA=	2.4	PHAS=	228.7	FOM=	0.61
INDE	-8	1	12	FOBS=	210.7	SIGMA=	2.2	PHAS=	90.2	FOM=	0.98
INDE	-8	1	13	FOBS=	229.3	SIGMA=	2.1	PHAS=	73.7	FOM=	0.95
INDE	-8	1	14	FOBS=	289.2	SIGMA=	1.8	PHAS=	100.0	FOM=	0.89
INDE	-8	1	15	FOBS=	72.2	SIGMA=	6.3	PHAS=	61.4	FOM=	0.58
INDE	-8	1	16	FOBS=	107.0	SIGMA=	4.4	PHAS=	225.4	FOM=	0.91
INDE	-8	2	1	FOBS=	74.4	SIGMA=	5.3	PHAS=	37.2	FOM=	0.37
INDE	-8	2	2	FOBS=	157.0	SIGMA=	2.6	PHAS=	342.3	FOM=	0.20
INDE	-8	2	3	FOBS=	114.9	SIGMA=	3.4	PHAS=	349.2	FOM=	0.61
INDE	-8	2	4	FOBS=	114.8	SIGMA=	3.3	PHAS=	45.3	FOM=	0.56
INDE	-8	2	5	FOBS=	187.9	SIGMA=	2.0	PHAS=	305.4	FOM=	0.87
INDE	-8	2	6	FOBS=	175.2	SIGMA=	2.0	PHAS=	79.7	FOM=	0.97
INDE	-8	2	7	FOBS=	244.3	SIGMA=	1.6	PHAS=	186.2	FOM=	0.98
INDE	-8	2	8	FOBS=	151.2	SIGMA=	2.2	PHAS=	65.9	FOM=	0.89
INDE	-8	2	9	FOBS=	133.3	SIGMA=	3.0	PHAS=	107.3	FOM=	0.91
INDE	-8	2	10	FOBS=	185.4	SIGMA=	2.4	PHAS=	196.6	FOM=	0.98
INDE	-8	2	11	FOBS=	258.1	SIGMA=	1.7	PHAS=	285.6	FOM=	0.83
INDE	-8	2	12	FOBS=	305.4	SIGMA=	1.6	PHAS=	326.5	FOM=	0.84
INDE	-8	2	13	FOBS=	223.7	SIGMA=	2.1	PHAS=	101.3	FOM=	0.93
INDE	-8	2	14	FOBS=	170.2	SIGMA=	2.8	PHAS=	55.2	FOM=	0.41
INDE	-8	2	15	FOBS=	174.9	SIGMA=	2.6	PHAS=	150.9	FOM=	0.64
INDE	-8	2	16	FOBS=	139.7	SIGMA=	3.5	PHAS=	278.0	FOM=	0.14
INDE	-8	3	1	FOBS=	176.8	SIGMA=	2.7	PHAS=	131.2	FOM=	0.72
INDE	-8	3	2	FOBS=	43.3	SIGMA=	8.7	PHAS=	186.7	FOM=	0.15
INDE	-8	3	3	FOBS=	171.8	SIGMA=	2.3	PHAS=	264.9	FOM=	0.94
INDE	-8	3	4	FOBS=	133.0	SIGMA=	2.8	PHAS=	227.9	FOM=	0.24
INDE	-8	3	5	FOBS=	239.9	SIGMA=	1.7	PHAS=	148.9	FOM=	0.56
INDE	-8	3	6	FOBS=	270.9	SIGMA=	1.4	PHAS=	131.3	FOM=	0.95
INDE	-8	3	7	FOBS=	130.8	SIGMA=	2.6	PHAS=	205.3	FOM=	0.77
INDE	-8	3	8	FOBS=	153.4	SIGMA=	2.1	PHAS=	186.5	FOM=	0.99
INDE	-8	3	9	FOBS=	144.1	SIGMA=	3.0	PHAS=	141.9	FOM=	0.95
INDE	-8	3	10	FOBS=	241.2	SIGMA=	1.8	PHAS=	202.5	FOM=	0.98
INDE	-8	3	11	FOBS=	625.7	SIGMA=	1.0	PHAS=	24.8	FOM=	1.00
INDE	-8	3	12	FOBS=	154.2	SIGMA=	2.9	PHAS=	233.1	FOM=	0.95
INDE	-8	3	13	FOBS=	149.9	SIGMA=	3.2	PHAS=	72.0	FOM=	0.31
INDE	-8	3	14	FOBS=	156.6	SIGMA=	3.0	PHAS=	138.4	FOM=	0.90
INDE	-8	3	15	FOBS=	47.0	SIGMA=	9.9	PHAS=	173.9	FOM=	0.33
INDE	-8	3	16	FOBS=	161.3	SIGMA=	3.0	PHAS=	253.1	FOM=	0.55
INDE	-8	4	1	FOBS=	91.6	SIGMA=	5.2	PHAS=	74.6	FOM=	0.70
INDE	-8	4	2	FOBS=	214.4	SIGMA=	2.0	PHAS=	136.4	FOM=	0.87
INDE	-8	4	3	FOBS=	304.2	SIGMA=	1.4	PHAS=	332.5	FOM=	0.95
INDE	-8	4	4	FOBS=	112.3	SIGMA=	3.3	PHAS=	192.0	FOM=	0.29
INDE	-8	4	5	FOBS=	84.1	SIGMA=	4.5	PHAS=	209.2	FOM=	0.89
INDE	-8	4	6	FOBS=	342.8	SIGMA=	1.5	PHAS=	313.8	FOM=	0.97
INDE	-8	4	7	FOBS=	249.5	SIGMA=	1.6	PHAS=	260.7	FOM=	0.93
INDE	-8	4	8	FOBS=	258.4	SIGMA=	1.4	PHAS=	180.7	FOM=	0.84
INDE	-8	4	9	FOBS=	146.4	SIGMA=	2.8	PHAS=	177.9	FOM=	0.89
INDE	-8	4	10	FOBS=	217.4	SIGMA=	2.0	PHAS=	323.3	FOM=	0.92
INDE	-8	4	11	FOBS=	242.1	SIGMA=	1.8	PHAS=	236.8	FOM=	0.95
INDE	-8	4	12	FOBS=	120.9	SIGMA=	4.0	PHAS=	159.1	FOM=	0.90
INDE	-8	4	13	FOBS=	101.4	SIGMA=	4.6	PHAS=	287.9	FOM=	0.53
INDE	-8	4	14	FOBS=	79.6	SIGMA=	5.8	PHAS=	82.1	FOM=	0.33

Fig. 10A-32

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INDE	-8	4	15	FOBS=	143.4	SIGMA=	3.6	PHAS=	175.8	FOM=	0.44
INDE	-8	4	16	FOBS=	142.7	SIGMA=	3.4	PHAS=	59.3	FOM=	0.17
INDE	-8	5	1	FOBS=	277.2	SIGMA=	1.9	PHAS=	182.6	FOM=	1.00
INDE	-8	5	2	FOBS=	313.4	SIGMA=	1.6	PHAS=	282.2	FOM=	0.98
INDE	-8	5	3	FOBS=	182.6	SIGMA=	2.1	PHAS=	211.8	FOM=	0.06
INDE	-8	5	4	FOBS=	185.4	SIGMA=	2.0	PHAS=	165.4	FOM=	0.96
INDE	-8	5	5	FOBS=	410.9	SIGMA=	1.2	PHAS=	269.6	FOM=	0.89
INDE	-8	5	6	FOBS=	131.6	SIGMA=	3.1	PHAS=	37.9	FOM=	0.42
INDE	-8	5	7	FOBS=	196.5	SIGMA=	1.9	PHAS=	183.2	FOM=	0.82
INDE	-8	5	8	FOBS=	228.0	SIGMA=	1.5	PHAS=	230.1	FOM=	0.93
INDE	-8	5	9	FOBS=	198.4	SIGMA=	2.2	PHAS=	69.1	FOM=	0.83
INDE	-8	5	10	FOBS=	288.5	SIGMA=	1.6	PHAS=	261.7	FOM=	0.98
INDE	-8	5	11	FOBS=	498.1	SIGMA=	1.3	PHAS=	138.3	FOM=	1.00
INDE	-8	5	12	FOBS=	259.1	SIGMA=	1.8	PHAS=	93.7	FOM=	0.38
INDE	-8	5	13	FOBS=	88.7	SIGMA=	4.9	PHAS=	231.0	FOM=	0.71
INDE	-8	5	14	FOBS=	92.8	SIGMA=	4.8	PHAS=	60.8	FOM=	0.64
INDE	-8	5	15	FOBS=	117.5	SIGMA=	4.2	PHAS=	203.0	FOM=	0.70
INDE	-8	5	16	FOBS=	237.6	SIGMA=	2.1	PHAS=	218.7	FOM=	0.85
INDE	-8	6	1	FOBS=	109.6	SIGMA=	4.6	PHAS=	66.5	FOM=	0.77
INDE	-8	6	2	FOBS=	86.2	SIGMA=	5.1	PHAS=	245.3	FOM=	0.90
INDE	-8	6	3	FOBS=	138.4	SIGMA=	3.1	PHAS=	70.4	FOM=	0.93
INDE	-8	6	4	FOBS=	272.1	SIGMA=	1.4	PHAS=	305.3	FOM=	0.94
INDE	-8	6	5	FOBS=	232.9	SIGMA=	1.7	PHAS=	46.4	FOM=	0.95
INDE	-8	6	6	FOBS=	256.0	SIGMA=	1.7	PHAS=	256.3	FOM=	0.35
INDE	-8	6	7	FOBS=	280.5	SIGMA=	1.4	PHAS=	117.6	FOM=	0.99
INDE	-8	6	8	FOBS=	324.3	SIGMA=	1.3	PHAS=	7.0	FOM=	0.94
INDE	-8	6	9	FOBS=	159.4	SIGMA=	2.7	PHAS=	77.5	FOM=	0.20
INDE	-8	6	10	FOBS=	365.4	SIGMA=	1.3	PHAS=	194.1	FOM=	1.00
INDE	-8	6	11	FOBS=	95.7	SIGMA=	4.5	PHAS=	353.9	FOM=	0.24
INDE	-8	6	12	FOBS=	355.1	SIGMA=	1.4	PHAS=	26.5	FOM=	0.74
INDE	-8	6	13	FOBS=	114.7	SIGMA=	3.9	PHAS=	221.0	FOM=	0.14
INDE	-8	6	14	FOBS=	142.4	SIGMA=	3.3	PHAS=	114.4	FOM=	0.90
INDE	-8	6	15	FOBS=	205.8	SIGMA=	2.2	PHAS=	147.6	FOM=	0.84
INDE	-8	6	16	FOBS=	128.5	SIGMA=	4.0	PHAS=	318.4	FOM=	0.27
INDE	-8	7	1	FOBS=	185.1	SIGMA=	2.4	PHAS=	319.5	FOM=	0.91
INDE	-8	7	2	FOBS=	99.3	SIGMA=	5.6	PHAS=	38.7	FOM=	0.89
INDE	-8	7	3	FOBS=	76.7	SIGMA=	5.0	PHAS=	258.4	FOM=	0.81
INDE	-8	7	4	FOBS=	126.1	SIGMA=	3.0	PHAS=	158.0	FOM=	0.23
INDE	-8	7	5	FOBS=	198.0	SIGMA=	1.8	PHAS=	32.0	FOM=	1.00
INDE	-8	7	6	FOBS=	162.9	SIGMA=	1.9	PHAS=	248.4	FOM=	0.96
INDE	-8	7	7	FOBS=	92.6	SIGMA=	3.8	PHAS=	15.0	FOM=	0.91
INDE	-8	7	8	FOBS=	292.0	SIGMA=	1.3	PHAS=	249.4	FOM=	1.00
INDE	-8	7	9	FOBS=	252.7	SIGMA=	1.8	PHAS=	316.9	FOM=	0.93
INDE	-8	7	10	FOBS=	317.2	SIGMA=	1.4	PHAS=	58.6	FOM=	0.58
INDE	-8	7	11	FOBS=	230.5	SIGMA=	2.0	PHAS=	73.8	FOM=	0.94
INDE	-8	7	12	FOBS=	187.2	SIGMA=	2.3	PHAS=	289.3	FOM=	0.94
INDE	-8	7	13	FOBS=	229.1	SIGMA=	2.0	PHAS=	81.5	FOM=	0.32
INDE	-8	7	14	FOBS=	143.9	SIGMA=	3.1	PHAS=	172.8	FOM=	0.20
INDE	-8	7	15	FOBS=	185.4	SIGMA=	2.5	PHAS=	290.7	FOM=	0.70
INDE	-8	7	16	FOBS=	91.5	SIGMA=	5.5	PHAS=	260.6	FOM=	0.17
INDE	-8	8	1	FOBS=	159.5	SIGMA=	2.8	PHAS=	100.8	FOM=	0.75
INDE	-8	8	2	FOBS=	117.8	SIGMA=	3.7	PHAS=	292.5	FOM=	0.76
INDE	-8	8	3	FOBS=	188.1	SIGMA=	2.7	PHAS=	50.2	FOM=	0.94
INDE	-8	8	4	FOBS=	51.9	SIGMA=	6.3	PHAS=	309.4	FOM=	0.23
INDE	-8	8	5	FOBS=	183.6	SIGMA=	2.0	PHAS=	82.4	FOM=	0.97
INDE	-8	8	6	FOBS=	248.3	SIGMA=	1.3	PHAS=	341.5	FOM=	0.54
INDE	-8	8	7	FOBS=	216.6	SIGMA=	1.6	PHAS=	231.0	FOM=	0.64
INDE	-8	8	8	FOBS=	148.6	SIGMA=	2.1	PHAS=	173.2	FOM=	0.94
INDE	-8	8	9	FOBS=	246.1	SIGMA=	1.9	PHAS=	226.0	FOM=	0.55
INDE	-8	8	10	FOBS=	414.4	SIGMA=	1.2	PHAS=	74.5	FOM=	0.98
INDE	-8	8	11	FOBS=	197.9	SIGMA=	2.3	PHAS=	191.1	FOM=	0.89
INDE	-8	8	12	FOBS=	94.9	SIGMA=	4.4	PHAS=	191.4	FOM=	0.23
INDE	-8	8	13	FOBS=	98.1	SIGMA=	4.5	PHAS=	9.9	FOM=	0.48
INDE	-8	8	14	FOBS=	185.7	SIGMA=	2.4	PHAS=	269.4	FOM=	0.41
INDE	-8	8	15	FOBS=	98.9	SIGMA=	4.7	PHAS=	154.2	FOM=	0.05
INDE	-8	8	16	FOBS=	118.2	SIGMA=	4.8	PHAS=	197.0	FOM=	0.13
INDE	-8	9	1	FOBS=	361.3	SIGMA=	1.6	PHAS=	162.0	FOM=	1.00
INDE	-8	9	2	FOBS=	143.8	SIGMA=	3.0	PHAS=	53.8	FOM=	0.79
INDE	-8	9	3	FOBS=	171.8	SIGMA=	2.2	PHAS=	182.2	FOM=	0.95
INDE	-8	9	4	FOBS=	194.5	SIGMA=	2.4	PHAS=	143.3	FOM=	0.99
INDE	-8	9	5	FOBS=	404.5	SIGMA=	1.4	PHAS=	302.0	FOM=	0.48

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INDE	-8	9	6	FOBS=	75.9	SIGMA=	3.3	PHAS=	18.6	FOM=	0.93
INDE	-8	9	7	FOBS=	425.1	SIGMA=	1.1	PHAS=	222.1	FOM=	0.98
INDE	-8	9	8	FOBS=	132.0	SIGMA=	2.3	PHAS=	52.1	FOM=	0.90
INDE	-8	9	9	FOBS=	152.5	SIGMA=	2.7	PHAS=	332.7	FOM=	0.82
INDE	-8	9	10	FOBS=	234.7	SIGMA=	1.8	PHAS=	5.2	FOM=	0.93
INDE	-8	9	11	FOBS=	134.7	SIGMA=	3.3	PHAS=	172.9	FOM=	0.66
INDE	-8	9	12	FOBS=	166.9	SIGMA=	2.4	PHAS=	17.1	FOM=	0.94
INDE	-8	9	13	FOBS=	215.3	SIGMA=	2.1	PHAS=	304.2	FOM=	0.97
INDE	-8	9	14	FOBS=	108.7	SIGMA=	4.2	PHAS=	284.6	FOM=	0.15
INDE	-8	9	15	FOBS=	174.1	SIGMA=	2.7	PHAS=	279.0	FOM=	0.86
INDE	-8	10	1	FOBS=	61.1	SIGMA=	8.2	PHAS=	317.4	FOM=	0.22
INDE	-8	10	2	FOBS=	210.3	SIGMA=	2.0	PHAS=	145.8	FOM=	0.94
INDE	-8	10	3	FOBS=	56.9	SIGMA=	6.8	PHAS=	45.9	FOM=	0.54
INDE	-8	10	4	FOBS=	294.6	SIGMA=	1.5	PHAS=	227.7	FOM=	0.96
INDE	-8	10	5	FOBS=	442.8	SIGMA=	1.4	PHAS=	160.8	FOM=	0.93
INDE	-8	10	6	FOBS=	322.9	SIGMA=	1.1	PHAS=	332.2	FOM=	0.44
INDE	-8	10	7	FOBS=	698.9	SIGMA=	0.8	PHAS=	274.3	FOM=	0.65
INDE	-8	10	8	FOBS=	276.3	SIGMA=	1.2	PHAS=	305.8	FOM=	0.74
INDE	-8	10	9	FOBS=	53.7	SIGMA=	7.2	PHAS=	43.7	FOM=	0.45
INDE	-8	10	10	FOBS=	296.1	SIGMA=	1.6	PHAS=	194.5	FOM=	0.89
INDE	-8	10	11	FOBS=	209.1	SIGMA=	2.1	PHAS=	308.4	FOM=	0.31
INDE	-8	10	12	FOBS=	180.2	SIGMA=	2.2	PHAS=	136.3	FOM=	0.81
INDE	-8	10	13	FOBS=	247.5	SIGMA=	1.9	PHAS=	295.2	FOM=	0.93
INDE	-8	10	14	FOBS=	117.4	SIGMA=	4.1	PHAS=	106.3	FOM=	0.89
INDE	-8	10	15	FOBS=	142.2	SIGMA=	3.5	PHAS=	262.3	FOM=	0.91
INDE	-8	11	1	FOBS=	257.0	SIGMA=	1.9	PHAS=	206.7	FOM=	0.96
INDE	-8	11	2	FOBS=	136.0	SIGMA=	3.2	PHAS=	190.2	FOM=	0.92
INDE	-8	11	3	FOBS=	122.6	SIGMA=	3.3	PHAS=	42.7	FOM=	0.96
INDE	-8	11	4	FOBS=	218.4	SIGMA=	1.6	PHAS=	64.4	FOM=	0.95
INDE	-8	11	5	FOBS=	368.7	SIGMA=	2.3	PHAS=	6.0	FOM=	0.64
INDE	-8	11	6	FOBS=	356.9	SIGMA=	2.6	PHAS=	21.2	FOM=	0.80
INDE	-8	11	7	FOBS=	174.1	SIGMA=	2.4	PHAS=	221.2	FOM=	0.72
INDE	-8	11	8	FOBS=	416.3	SIGMA=	0.9	PHAS=	322.1	FOM=	0.98
INDE	-8	11	9	FOBS=	250.2	SIGMA=	1.9	PHAS=	93.6	FOM=	0.96
INDE	-8	11	10	FOBS=	127.8	SIGMA=	3.0	PHAS=	282.1	FOM=	0.91
INDE	-8	11	11	FOBS=	194.2	SIGMA=	2.2	PHAS=	301.0	FOM=	1.00
INDE	-8	11	12	FOBS=	78.2	SIGMA=	6.2	PHAS=	195.8	FOM=	0.66
INDE	-8	11	13	FOBS=	139.5	SIGMA=	3.4	PHAS=	104.7	FOM=	0.91
INDE	-8	11	14	FOBS=	40.5	SIGMA=	27.0	PHAS=	288.2	FOM=	0.42
INDE	-8	11	15	FOBS=	97.6	SIGMA=	4.7	PHAS=	125.2	FOM=	0.41
INDE	-8	12	1	FOBS=	240.8	SIGMA=	2.0	PHAS=	110.1	FOM=	0.95
INDE	-8	12	2	FOBS=	35.7	SIGMA=	15.1	PHAS=	232.2	FOM=	0.09
INDE	-8	12	3	FOBS=	217.3	SIGMA=	1.8	PHAS=	341.4	FOM=	0.70
INDE	-8	12	4	FOBS=	58.6	SIGMA=	4.6	PHAS=	57.4	FOM=	0.42
INDE	-8	12	5	FOBS=	115.3	SIGMA=	5.5	PHAS=	211.4	FOM=	0.56
INDE	-8	12	6	FOBS=	177.5	SIGMA=	3.8	PHAS=	141.6	FOM=	0.93
INDE	-8	12	7	FOBS=	344.8	SIGMA=	3.1	PHAS=	140.9	FOM=	0.95
INDE	-8	12	8	FOBS=	481.7	SIGMA=	0.9	PHAS=	333.8	FOM=	0.89
INDE	-8	12	9	FOBS=	171.4	SIGMA=	2.5	PHAS=	110.3	FOM=	0.98
INDE	-8	12	10	FOBS=	275.4	SIGMA=	1.6	PHAS=	267.2	FOM=	1.00
INDE	-8	12	11	FOBS=	249.3	SIGMA=	1.7	PHAS=	154.5	FOM=	0.30
INDE	-8	12	12	FOBS=	161.7	SIGMA=	3.0	PHAS=	123.4	FOM=	0.76
INDE	-8	12	13	FOBS=	185.1	SIGMA=	2.3	PHAS=	173.0	FOM=	0.93
INDE	-8	12	14	FOBS=	64.0	SIGMA=	6.9	PHAS=	87.2	FOM=	0.28
INDE	-8	12	15	FOBS=	53.4	SIGMA=	8.7	PHAS=	223.1	FOM=	0.01
INDE	-8	13	1	FOBS=	126.2	SIGMA=	3.9	PHAS=	161.8	FOM=	0.91
INDE	-8	13	2	FOBS=	89.0	SIGMA=	4.9	PHAS=	268.6	FOM=	0.52
INDE	-8	13	3	FOBS=	108.5	SIGMA=	4.8	PHAS=	56.5	FOM=	0.71
INDE	-8	13	4	FOBS=	437.8	SIGMA=	1.5	PHAS=	189.5	FOM=	1.00
INDE	-8	13	5	FOBS=	195.0	SIGMA=	3.3	PHAS=	127.4	FOM=	0.66
INDE	-8	13	6	FOBS=	142.9	SIGMA=	4.3	PHAS=	81.2	FOM=	0.33
INDE	-8	13	7	FOBS=	358.9	SIGMA=	2.8	PHAS=	273.4	FOM=	0.97
INDE	-8	13	8	FOBS=	273.9	SIGMA=	2.9	PHAS=	253.7	FOM=	0.25
INDE	-8	13	9	FOBS=	207.9	SIGMA=	2.2	PHAS=	220.0	FOM=	0.97
INDE	-8	13	10	FOBS=	380.3	SIGMA=	1.2	PHAS=	47.5	FOM=	0.65
INDE	-8	13	11	FOBS=	119.4	SIGMA=	3.3	PHAS=	136.4	FOM=	0.92
INDE	-8	13	12	FOBS=	70.5	SIGMA=	7.0	PHAS=	247.7	FOM=	0.54
INDE	-8	13	13	FOBS=	275.5	SIGMA=	1.7	PHAS=	271.2	FOM=	0.74
INDE	-8	13	14	FOBS=	205.7	SIGMA=	2.2	PHAS=	7.0	FOM=	0.76
INDE	-8	13	15	FOBS=	122.1	SIGMA=	4.1	PHAS=	184.5	FOM=	0.66
INDE	-8	14	1	FOBS=	177.4	SIGMA=	2.7	PHAS=	38.9	FOM=	0.93

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INDE	-8	14	2	FOBS=	302.6	SIGMA=	1.6	PHAS=	329.6	FOM=	0.97
INDE	-8	14	3	FOBS=	122.6	SIGMA=	3.4	PHAS=	167.5	FOM=	0.40
INDE	-8	14	4	FOBS=	212.1	SIGMA=	1.8	PHAS=	143.2	FOM=	1.00
INDE	-8	14	5	FOBS=	297.6	SIGMA=	2.5	PHAS=	269.5	FOM=	0.98
INDE	-8	14	6	FOBS=	295.1	SIGMA=	2.4	PHAS=	136.0	FOM=	0.90
INDE	-8	14	7	FOBS=	264.3	SIGMA=	3.5	PHAS=	51.7	FOM=	0.27
INDE	-8	14	8	FOBS=	495.9	SIGMA=	1.8	PHAS=	196.0	FOM=	0.94
INDE	-8	14	9	FOBS=	142.4	SIGMA=	3.2	PHAS=	183.6	FOM=	0.88
INDE	-8	14	10	FOBS=	141.0	SIGMA=	2.5	PHAS=	168.7	FOM=	0.66
INDE	-8	14	11	FOBS=	84.0	SIGMA=	4.7	PHAS=	180.9	FOM=	0.11
INDE	-8	14	12	FOBS=	101.2	SIGMA=	4.6	PHAS=	313.8	FOM=	0.06
INDE	-8	14	13	FOBS=	196.5	SIGMA=	2.2	PHAS=	34.8	FOM=	0.91
INDE	-8	14	14	FOBS=	96.1	SIGMA=	4.6	PHAS=	16.7	FOM=	0.77
INDE	-8	15	1	FOBS=	201.1	SIGMA=	2.4	PHAS=	151.5	FOM=	0.92
INDE	-8	15	2	FOBS=	127.0	SIGMA=	3.4	PHAS=	255.9	FOM=	0.84
INDE	-8	15	3	FOBS=	204.8	SIGMA=	1.9	PHAS=	257.5	FOM=	0.95
INDE	-8	15	4	FOBS=	49.9	SIGMA=	6.2	PHAS=	121.3	FOM=	0.46
INDE	-8	15	5	FOBS=	63.3	SIGMA=	10.4	PHAS=	275.3	FOM=	0.22
INDE	-8	15	6	FOBS=	81.6	SIGMA=	7.3	PHAS=	17.3	FOM=	0.27
INDE	-8	15	7	FOBS=	284.8	SIGMA=	3.4	PHAS=	168.3	FOM=	0.88
INDE	-8	15	8	FOBS=	175.0	SIGMA=	3.7	PHAS=	277.8	FOM=	0.10
INDE	-8	15	9	FOBS=	34.0	SIGMA=	9.2	PHAS=	341.5	FOM=	0.07
INDE	-8	15	10	FOBS=	144.2	SIGMA=	2.5	PHAS=	196.4	FOM=	0.02
INDE	-8	15	11	FOBS=	103.1	SIGMA=	4.1	PHAS=	213.6	FOM=	0.28
INDE	-8	15	12	FOBS=	81.5	SIGMA=	5.5	PHAS=	0.3	FOM=	0.11
INDE	-8	15	13	FOBS=	125.1	SIGMA=	3.9	PHAS=	43.9	FOM=	0.76
INDE	-8	15	14	FOBS=	136.8	SIGMA=	3.2	PHAS=	136.1	FOM=	0.59
INDE	-8	16	1	FOBS=	254.0	SIGMA=	2.2	PHAS=	102.8	FOM=	0.69
INDE	-8	16	2	FOBS=	149.9	SIGMA=	2.9	PHAS=	108.5	FOM=	0.76
INDE	-8	16	3	FOBS=	234.0	SIGMA=	1.8	PHAS=	77.9	FOM=	0.82
INDE	-8	16	4	FOBS=	348.0	SIGMA=	2.2	PHAS=	130.9	FOM=	0.94
INDE	-8	16	5	FOBS=	518.0	SIGMA=	1.8	PHAS=	292.4	FOM=	0.98
INDE	-8	16	6	FOBS=	429.5	SIGMA=	1.9	PHAS=	237.2	FOM=	0.99
INDE	-8	16	7	FOBS=	206.4	SIGMA=	4.4	PHAS=	29.8	FOM=	0.79
INDE	-8	16	8	FOBS=	239.9	SIGMA=	2.8	PHAS=	5.8	FOM=	0.93
INDE	-8	16	9	FOBS=	91.6	SIGMA=	3.9	PHAS=	98.5	FOM=	0.71
INDE	-8	16	10	FOBS=	124.9	SIGMA=	2.7	PHAS=	189.0	FOM=	0.88
INDE	-8	16	11	FOBS=	136.7	SIGMA=	2.8	PHAS=	337.5	FOM=	0.81
INDE	-8	16	12	FOBS=	82.6	SIGMA=	5.2	PHAS=	98.2	FOM=	0.35
INDE	-8	16	13	FOBS=	97.4	SIGMA=	5.5	PHAS=	15.1	FOM=	0.29
INDE	-8	16	14	FOBS=	125.2	SIGMA=	3.9	PHAS=	209.5	FOM=	0.26
INDE	-8	17	1	FOBS=	209.5	SIGMA=	2.3	PHAS=	242.6	FOM=	0.06
INDE	-8	17	2	FOBS=	261.7	SIGMA=	2.1	PHAS=	254.7	FOM=	0.88
INDE	-8	17	3	FOBS=	235.9	SIGMA=	1.8	PHAS=	131.7	FOM=	0.87
INDE	-8	17	4	FOBS=	146.7	SIGMA=	3.3	PHAS=	171.5	FOM=	0.50
INDE	-8	17	5	FOBS=	635.1	SIGMA=	1.9	PHAS=	337.9	FOM=	0.97
INDE	-8	17	6	FOBS=	288.9	SIGMA=	2.5	PHAS=	39.7	FOM=	1.00
INDE	-8	17	7	FOBS=	428.8	SIGMA=	2.6	PHAS=	105.3	FOM=	0.89
INDE	-8	17	8	FOBS=	185.2	SIGMA=	3.6	PHAS=	97.7	FOM=	0.84
INDE	-8	17	9	FOBS=	54.9	SIGMA=	12.1	PHAS=	218.8	FOM=	0.50
INDE	-8	17	10	FOBS=	132.3	SIGMA=	2.4	PHAS=	137.4	FOM=	0.59
INDE	-8	17	11	FOBS=	273.9	SIGMA=	1.9	PHAS=	287.5	FOM=	0.88
INDE	-8	17	12	FOBS=	115.4	SIGMA=	3.4	PHAS=	321.6	FOM=	0.39
INDE	-8	17	13	FOBS=	142.1	SIGMA=	3.3	PHAS=	3.3	FOM=	0.59
INDE	-8	17	14	FOBS=	92.2	SIGMA=	22.7	PHAS=	70.5	FOM=	0.07
INDE	-8	18	1	FOBS=	203.2	SIGMA=	2.4	PHAS=	99.3	FOM=	0.88
INDE	-8	18	2	FOBS=	251.7	SIGMA=	1.9	PHAS=	176.5	FOM=	0.93
INDE	-8	18	3	FOBS=	119.0	SIGMA=	3.5	PHAS=	199.4	FOM=	0.89
INDE	-8	18	4	FOBS=	232.0	SIGMA=	2.4	PHAS=	284.4	FOM=	0.63
INDE	-8	18	5	FOBS=	58.9	SIGMA=	6.5	PHAS=	231.7	FOM=	0.24
INDE	-8	18	6	FOBS=	165.3	SIGMA=	4.0	PHAS=	353.0	FOM=	0.71
INDE	-8	18	7	FOBS=	43.4	SIGMA=	24.0	PHAS=	12.4	FOM=	0.23
INDE	-8	18	8	FOBS=	135.8	SIGMA=	4.9	PHAS=	205.3	FOM=	0.46
INDE	-8	18	9	FOBS=	147.9	SIGMA=	3.9	PHAS=	34.6	FOM=	0.90
INDE	-8	18	10	FOBS=	150.3	SIGMA=	2.0	PHAS=	275.0	FOM=	1.00
INDE	-8	18	11	FOBS=	203.3	SIGMA=	1.9	PHAS=	68.8	FOM=	0.92
INDE	-8	18	12	FOBS=	137.4	SIGMA=	3.1	PHAS=	274.1	FOM=	1.00
INDE	-8	18	13	FOBS=	353.4	SIGMA=	1.6	PHAS=	35.4	FOM=	0.95
INDE	-8	19	1	FOBS=	133.9	SIGMA=	4.0	PHAS=	284.3	FOM=	0.60
INDE	-8	19	2	FOBS=	141.0	SIGMA=	3.2	PHAS=	230.4	FOM=	0.09
INDE	-8	19	3	FOBS=	281.5	SIGMA=	1.7	PHAS=	3.7	FOM=	0.97

Fig. 10A-35

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INDE	-8	19	4	FOBS=	184.5	SIGMA=	2.1	PHAS=	125.0	FOM=	0.95
INDE	-8	19	5	FOBS=	116.4	SIGMA=	3.0	PHAS=	328.1	FOM=	0.76
INDE	-8	19	6	FOBS=	228.0	SIGMA=	3.1	PHAS=	58.0	FOM=	0.86
INDE	-8	19	7	FOBS=	231.5	SIGMA=	4.0	PHAS=	307.4	FOM=	0.45
INDE	-8	19	8	FOBS=	186.5	SIGMA=	3.4	PHAS=	97.0	FOM=	0.45
INDE	-8	19	9	FOBS=	179.9	SIGMA=	3.3	PHAS=	6.1	FOM=	0.38
INDE	-8	19	10	FOBS=	57.3	SIGMA=	4.7	PHAS=	319.8	FOM=	0.53
INDE	-8	19	11	FOBS=	78.4	SIGMA=	4.5	PHAS=	11.1	FOM=	0.63
INDE	-8	19	12	FOBS=	203.4	SIGMA=	2.0	PHAS=	43.4	FOM=	0.84
INDE	-8	19	13	FOBS=	46.5	SIGMA=	10.1	PHAS=	68.4	FOM=	0.16
INDE	-8	20	1	FOBS=	77.6	SIGMA=	6.4	PHAS=	306.4	FOM=	0.23
INDE	-8	20	2	FOBS=	199.0	SIGMA=	2.5	PHAS=	343.9	FOM=	0.69
INDE	-8	20	3	FOBS=	156.6	SIGMA=	2.6	PHAS=	209.5	FOM=	0.36
INDE	-8	20	4	FOBS=	384.9	SIGMA=	1.4	PHAS=	235.2	FOM=	0.95
INDE	-8	20	5	FOBS=	258.8	SIGMA=	1.4	PHAS=	12.2	FOM=	0.18
INDE	-8	20	6	FOBS=	107.1	SIGMA=	6.2	PHAS=	84.7	FOM=	0.22
INDE	-8	20	7	FOBS=	118.2	SIGMA=	8.0	PHAS=	271.4	FOM=	0.38
INDE	-8	20	8	FOBS=	179.6	SIGMA=	3.5	PHAS=	358.1	FOM=	0.24
INDE	-8	20	9	FOBS=	261.4	SIGMA=	2.5	PHAS=	205.0	FOM=	0.40
INDE	-8	20	10	FOBS=	165.0	SIGMA=	2.2	PHAS=	125.6	FOM=	0.68
INDE	-8	20	11	FOBS=	111.4	SIGMA=	3.3	PHAS=	208.0	FOM=	0.80
INDE	-8	20	12	FOBS=	141.6	SIGMA=	2.6	PHAS=	262.8	FOM=	0.93
INDE	-8	21	1	FOBS=	187.7	SIGMA=	2.7	PHAS=	37.2	FOM=	0.68
INDE	-8	21	2	FOBS=	284.4	SIGMA=	1.8	PHAS=	63.3	FOM=	0.96
INDE	-8	21	3	FOBS=	198.3	SIGMA=	2.7	PHAS=	236.9	FOM=	0.49
INDE	-8	21	4	FOBS=	200.3	SIGMA=	2.3	PHAS=	104.0	FOM=	0.93
INDE	-8	21	5	FOBS=	136.4	SIGMA=	2.5	PHAS=	147.2	FOM=	0.61
INDE	-8	21	6	FOBS=	219.4	SIGMA=	1.8	PHAS=	263.4	FOM=	0.71
INDE	-8	21	7	FOBS=	204.2	SIGMA=	4.3	PHAS=	92.4	FOM=	0.80
INDE	-8	21	8	FOBS=	157.8	SIGMA=	3.7	PHAS=	252.9	FOM=	0.87
INDE	-8	21	9	FOBS=	194.6	SIGMA=	3.0	PHAS=	107.8	FOM=	0.95
INDE	-8	21	10	FOBS=	83.5	SIGMA=	3.3	PHAS=	79.7	FOM=	0.23
INDE	-8	21	11	FOBS=	152.7	SIGMA=	2.5	PHAS=	276.7	FOM=	0.89
INDE	-8	21	12	FOBS=	62.9	SIGMA=	5.9	PHAS=	251.9	FOM=	0.50
INDE	-8	22	1	FOBS=	362.0	SIGMA=	1.7	PHAS=	352.8	FOM=	0.97
INDE	-8	22	2	FOBS=	140.6	SIGMA=	3.6	PHAS=	221.9	FOM=	0.74
INDE	-8	22	3	FOBS=	219.5	SIGMA=	2.6	PHAS=	286.6	FOM=	0.81
INDE	-8	22	4	FOBS=	120.0	SIGMA=	3.5	PHAS=	74.6	FOM=	0.92
INDE	-8	22	5	FOBS=	63.6	SIGMA=	5.5	PHAS=	200.2	FOM=	0.64
INDE	-8	22	6	FOBS=	364.5	SIGMA=	1.1	PHAS=	49.3	FOM=	0.97
INDE	-8	22	7	FOBS=	131.9	SIGMA=	5.0	PHAS=	357.8	FOM=	0.59
INDE	-8	22	8	FOBS=	74.2	SIGMA=	5.9	PHAS=	253.7	FOM=	0.13
INDE	-8	22	9	FOBS=	204.7	SIGMA=	3.0	PHAS=	82.0	FOM=	0.88
INDE	-8	22	10	FOBS=	97.5	SIGMA=	2.7	PHAS=	238.1	FOM=	0.96
INDE	-8	22	11	FOBS=	193.6	SIGMA=	1.8	PHAS=	101.8	FOM=	0.97
INDE	-8	23	1	FOBS=	251.9	SIGMA=	2.3	PHAS=	206.5	FOM=	0.10
INDE	-8	23	2	FOBS=	139.9	SIGMA=	3.3	PHAS=	218.3	FOM=	0.65
INDE	-8	23	3	FOBS=	243.1	SIGMA=	2.2	PHAS=	348.3	FOM=	0.90
INDE	-8	23	4	FOBS=	145.0	SIGMA=	2.8	PHAS=	150.4	FOM=	0.83
INDE	-8	23	5	FOBS=	116.3	SIGMA=	3.2	PHAS=	189.2	FOM=	0.58
INDE	-8	23	6	FOBS=	143.9	SIGMA=	2.3	PHAS=	169.8	FOM=	0.95
INDE	-8	23	7	FOBS=	49.5	SIGMA=	6.1	PHAS=	172.2	FOM=	0.35
INDE	-8	23	8	FOBS=	228.5	SIGMA=	1.6	PHAS=	9.4	FOM=	0.96
INDE	-8	23	9	FOBS=	50.8	SIGMA=	10.0	PHAS=	326.0	FOM=	0.64
INDE	-8	23	10	FOBS=	169.7	SIGMA=	1.7	PHAS=	136.9	FOM=	0.41
INDE	-8	23	11	FOBS=	148.1	SIGMA=	2.3	PHAS=	100.2	FOM=	0.92
INDE	-8	24	1	FOBS=	156.9	SIGMA=	3.6	PHAS=	80.9	FOM=	0.83
INDE	-8	24	2	FOBS=	275.1	SIGMA=	2.1	PHAS=	5.6	FOM=	0.99
INDE	-8	24	3	FOBS=	212.9	SIGMA=	2.1	PHAS=	143.3	FOM=	0.96
INDE	-8	24	4	FOBS=	126.1	SIGMA=	3.2	PHAS=	197.4	FOM=	0.94
INDE	-8	24	5	FOBS=	46.2	SIGMA=	5.5	PHAS=	209.0	FOM=	0.80
INDE	-8	24	6	FOBS=	127.7	SIGMA=	2.6	PHAS=	35.5	FOM=	0.96
INDE	-8	24	7	FOBS=	132.2	SIGMA=	2.9	PHAS=	41.3	FOM=	0.53
INDE	-8	24	8	FOBS=	205.5	SIGMA=	1.8	PHAS=	317.0	FOM=	0.96
INDE	-8	24	9	FOBS=	142.2	SIGMA=	3.1	PHAS=	217.2	FOM=	0.63
INDE	-8	24	10	FOBS=	220.3	SIGMA=	1.5	PHAS=	303.5	FOM=	0.90
INDE	-8	25	1	FOBS=	65.3	SIGMA=	43.8	PHAS=	340.5	FOM=	0.32
INDE	-8	25	2	FOBS=	194.0	SIGMA=	3.3	PHAS=	311.5	FOM=	0.28
INDE	-8	25	3	FOBS=	306.1	SIGMA=	1.6	PHAS=	192.0	FOM=	0.97
INDE	-8	25	4	FOBS=	241.0	SIGMA=	1.8	PHAS=	307.1	FOM=	0.97
INDE	-8	25	5	FOBS=	41.4	SIGMA=	8.8	PHAS=	36.1	FOM=	0.08

Fig. 10A-36

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INDE	-8	25	6	FOBS=	73.0	SIGMA=	4.9	PHAS=	193.8	FOM=	0.37
INDE	-8	25	7	FOBS=	113.4	SIGMA=	2.9	PHAS=	30.6	FOM=	0.61
INDE	-8	25	8	FOBS=	196.0	SIGMA=	1.8	PHAS=	306.6	FOM=	0.95
INDE	-8	25	9	FOBS=	152.9	SIGMA=	3.0	PHAS=	143.9	FOM=	0.87
INDE	-8	26	1	FOBS=	145.5	SIGMA=	3.4	PHAS=	223.7	FOM=	0.85
INDE	-8	26	2	FOBS=	48.4	SIGMA=	16.4	PHAS=	102.3	FOM=	0.20
INDE	-8	26	3	FOBS=	146.6	SIGMA=	3.1	PHAS=	126.0	FOM=	0.17
INDE	-8	26	4	FOBS=	87.2	SIGMA=	4.5	PHAS=	12.4	FOM=	0.18
INDE	-8	26	5	FOBS=	166.7	SIGMA=	2.3	PHAS=	102.8	FOM=	0.63
INDE	-8	26	6	FOBS=	78.1	SIGMA=	4.8	PHAS=	251.6	FOM=	0.82
INDE	-8	26	7	FOBS=	180.0	SIGMA=	1.9	PHAS=	285.6	FOM=	0.83
INDE	-8	26	8	FOBS=	176.8	SIGMA=	2.0	PHAS=	313.4	FOM=	0.81
INDE	-8	26	9	FOBS=	113.5	SIGMA=	7.4	PHAS=	218.6	FOM=	0.53
INDE	-8	27	1	FOBS=	73.5	SIGMA=	5.9	PHAS=	259.6	FOM=	0.32
INDE	-8	27	2	FOBS=	265.3	SIGMA=	1.8	PHAS=	104.5	FOM=	0.49
INDE	-8	27	3	FOBS=	129.6	SIGMA=	3.4	PHAS=	102.6	FOM=	0.43
INDE	-8	27	4	FOBS=	57.7	SIGMA=	7.3	PHAS=	285.3	FOM=	0.29
INDE	-8	27	5	FOBS=	94.4	SIGMA=	4.0	PHAS=	264.2	FOM=	0.52
INDE	-8	27	6	FOBS=	157.4	SIGMA=	2.2	PHAS=	37.1	FOM=	0.59
INDE	-8	27	7	FOBS=	104.2	SIGMA=	3.4	PHAS=	110.7	FOM=	0.09
INDE	-8	27	8	FOBS=	228.8	SIGMA=	2.2	PHAS=	9.1	FOM=	0.72
INDE	-8	28	1	FOBS=	160.1	SIGMA=	3.2	PHAS=	183.7	FOM=	0.76
INDE	-8	28	2	FOBS=	92.2	SIGMA=	4.6	PHAS=	334.4	FOM=	0.69
INDE	-8	28	3	FOBS=	155.1	SIGMA=	2.7	PHAS=	220.1	FOM=	0.78
INDE	-8	28	4	FOBS=	42.9	SIGMA=	10.4	PHAS=	329.8	FOM=	0.14
INDE	-8	28	5	FOBS=	94.4	SIGMA=	4.2	PHAS=	306.3	FOM=	0.07
INDE	-8	28	6	FOBS=	259.8	SIGMA=	1.6	PHAS=	264.2	FOM=	0.53
INDE	-8	28	7	FOBS=	73.2	SIGMA=	31.8	PHAS=	120.5	FOM=	0.06
INDE	-8	29	1	FOBS=	49.6	SIGMA=	16.2	PHAS=	316.7	FOM=	0.18
INDE	-8	29	2	FOBS=	142.9	SIGMA=	3.1	PHAS=	195.2	FOM=	0.74
INDE	-8	29	3	FOBS=	53.9	SIGMA=	7.9	PHAS=	175.0	FOM=	0.03
INDE	-8	29	4	FOBS=	47.4	SIGMA=	8.1	PHAS=	353.8	FOM=	0.20
INDE	-8	29	5	FOBS=	69.9	SIGMA=	5.7	PHAS=	107.3	FOM=	0.29
INDE	-8	30	1	FOBS=	121.3	SIGMA=	9.5	PHAS=	299.4	FOM=	0.06
INDE	-8	30	2	FOBS=	74.0	SIGMA=	15.2	PHAS=	95.4	FOM=	0.09
INDE	-7	0	1	FOBS=	129.6	SIGMA=	4.4	PHAS=	0.0	FOM=	1.00
INDE	-7	0	2	FOBS=	117.6	SIGMA=	4.8	PHAS=	180.0	FOM=	1.00
INDE	-7	0	3	FOBS=	336.5	SIGMA=	1.7	PHAS=	180.0	FOM=	1.00
INDE	-7	0	4	FOBS=	41.3	SIGMA=	12.9	PHAS=	180.0	FOM=	0.22
INDE	-7	0	5	FOBS=	176.5	SIGMA=	2.6	PHAS=	180.0	FOM=	1.00
INDE	-7	0	6	FOBS=	142.4	SIGMA=	3.6	PHAS=	180.0	FOM=	0.02
INDE	-7	0	7	FOBS=	66.6	SIGMA=	7.1	PHAS=	180.0	FOM=	0.77
INDE	-7	0	8	FOBS=	143.7	SIGMA=	4.7	PHAS=	0.0	FOM=	0.99
INDE	-7	0	9	FOBS=	119.5	SIGMA=	4.2	PHAS=	180.0	FOM=	0.77
INDE	-7	0	10	FOBS=	629.5	SIGMA=	1.3	PHAS=	180.0	FOM=	1.00
INDE	-7	0	11	FOBS=	283.5	SIGMA=	2.4	PHAS=	0.0	FOM=	1.00
INDE	-7	0	12	FOBS=	292.1	SIGMA=	2.5	PHAS=	180.0	FOM=	1.00
INDE	-7	0	13	FOBS=	91.0	SIGMA=	7.6	PHAS=	0.0	FOM=	0.04
INDE	-7	0	14	FOBS=	266.4	SIGMA=	2.6	PHAS=	180.0	FOM=	0.94
INDE	-7	0	15	FOBS=	67.8	SIGMA=	10.3	PHAS=	180.0	FOM=	0.36
INDE	-7	0	16	FOBS=	89.7	SIGMA=	7.9	PHAS=	0.0	FOM=	0.02
INDE	-7	1	1	FOBS=	255.8	SIGMA=	1.6	PHAS=	137.7	FOM=	0.98
INDE	-7	1	2	FOBS=	269.3	SIGMA=	1.5	PHAS=	234.0	FOM=	1.00
INDE	-7	1	3	FOBS=	221.8	SIGMA=	1.7	PHAS=	66.4	FOM=	1.00
INDE	-7	1	4	FOBS=	193.9	SIGMA=	1.8	PHAS=	238.2	FOM=	0.93
INDE	-7	1	5	FOBS=	203.2	SIGMA=	1.6	PHAS=	114.0	FOM=	1.00
INDE	-7	1	6	FOBS=	193.6	SIGMA=	1.8	PHAS=	272.5	FOM=	1.00
INDE	-7	1	7	FOBS=	179.7	SIGMA=	1.8	PHAS=	227.6	FOM=	0.99
INDE	-7	1	8	FOBS=	351.9	SIGMA=	1.5	PHAS=	58.9	FOM=	0.98
INDE	-7	1	9	FOBS=	296.6	SIGMA=	1.3	PHAS=	287.6	FOM=	0.95
INDE	-7	1	10	FOBS=	164.0	SIGMA=	2.1	PHAS=	181.2	FOM=	0.97
INDE	-7	1	11	FOBS=	101.7	SIGMA=	4.5	PHAS=	152.8	FOM=	0.85
INDE	-7	1	12	FOBS=	111.0	SIGMA=	4.2	PHAS=	102.2	FOM=	0.47
INDE	-7	1	13	FOBS=	100.0	SIGMA=	4.9	PHAS=	345.1	FOM=	0.57
INDE	-7	1	14	FOBS=	234.3	SIGMA=	2.1	PHAS=	346.3	FOM=	0.94
INDE	-7	1	15	FOBS=	362.0	SIGMA=	1.6	PHAS=	229.2	FOM=	0.92
INDE	-7	1	16	FOBS=	129.4	SIGMA=	4.0	PHAS=	283.0	FOM=	0.04
INDE	-7	2	1	FOBS=	463.8	SIGMA=	1.3	PHAS=	9.5	FOM=	1.00
INDE	-7	2	2	FOBS=	182.8	SIGMA=	2.0	PHAS=	27.8	FOM=	0.92
INDE	-7	2	3	FOBS=	152.9	SIGMA=	2.1	PHAS=	222.7	FOM=	1.00
INDE	-7	2	4	FOBS=	198.7	SIGMA=	1.8	PHAS=	129.2	FOM=	0.99

Fig. 10A-37

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INDE	-7	2	5	FOBS=	207.1	SIGMA=	1.6	PHAS=	232.1	FOM=	0.97
INDE	-7	2	6	FOBS=	188.6	SIGMA=	1.9	PHAS=	351.2	FOM=	0.94
INDE	-7	2	7	FOBS=	78.5	SIGMA=	3.5	PHAS=	100.7	FOM=	0.90
INDE	-7	2	8	FOBS=	220.5	SIGMA=	2.0	PHAS=	33.8	FOM=	0.95
INDE	-7	2	9	FOBS=	531.2	SIGMA=	0.9	PHAS=	292.8	FOM=	0.95
INDE	-7	2	10	FOBS=	303.9	SIGMA=	1.4	PHAS=	211.4	FOM=	0.91
INDE	-7	2	11	FOBS=	196.7	SIGMA=	2.1	PHAS=	190.4	FOM=	0.96
INDE	-7	2	12	FOBS=	169.9	SIGMA=	2.6	PHAS=	125.9	FOM=	0.77
INDE	-7	2	13	FOBS=	117.2	SIGMA=	4.0	PHAS=	208.0	FOM=	0.39
INDE	-7	2	14	FOBS=	170.4	SIGMA=	2.9	PHAS=	228.0	FOM=	0.69
INDE	-7	2	15	FOBS=	183.1	SIGMA=	2.8	PHAS=	252.9	FOM=	0.76
INDE	-7	2	16	FOBS=	71.8	SIGMA=	7.1	PHAS=	325.6	FOM=	0.39
INDE	-7	3	1	FOBS=	312.9	SIGMA=	1.5	PHAS=	246.7	FOM=	0.93
INDE	-7	3	2	FOBS=	295.2	SIGMA=	1.5	PHAS=	62.4	FOM=	0.84
INDE	-7	3	3	FOBS=	203.0	SIGMA=	1.8	PHAS=	206.0	FOM=	0.95
INDE	-7	3	4	FOBS=	252.1	SIGMA=	1.4	PHAS=	199.8	FOM=	0.62
INDE	-7	3	5	FOBS=	174.2	SIGMA=	1.9	PHAS=	25.3	FOM=	0.96
INDE	-7	3	6	FOBS=	72.4	SIGMA=	4.5	PHAS=	189.6	FOM=	0.83
INDE	-7	3	7	FOBS=	114.9	SIGMA=	2.7	PHAS=	249.6	FOM=	0.92
INDE	-7	3	8	FOBS=	402.0	SIGMA=	1.1	PHAS=	30.3	FOM=	0.97
INDE	-7	3	9	FOBS=	125.8	SIGMA=	2.9	PHAS=	322.7	FOM=	0.66
INDE	-7	3	10	FOBS=	264.7	SIGMA=	1.6	PHAS=	139.2	FOM=	0.54
INDE	-7	3	11	FOBS=	272.8	SIGMA=	1.7	PHAS=	315.8	FOM=	0.93
INDE	-7	3	12	FOBS=	250.2	SIGMA=	1.9	PHAS=	149.9	FOM=	0.90
INDE	-7	3	13	FOBS=	103.7	SIGMA=	4.6	PHAS=	225.3	FOM=	0.02
INDE	-7	3	14	FOBS=	94.5	SIGMA=	5.3	PHAS=	79.6	FOM=	0.68
INDE	-7	3	15	FOBS=	112.9	SIGMA=	4.7	PHAS=	21.1	FOM=	0.60
INDE	-7	3	16	FOBS=	114.0	SIGMA=	4.5	PHAS=	238.7	FOM=	0.09
INDE	-7	4	1	FOBS=	95.4	SIGMA=	4.5	PHAS=	255.0	FOM=	0.90
INDE	-7	4	2	FOBS=	103.0	SIGMA=	3.8	PHAS=	289.7	FOM=	0.44
INDE	-7	4	3	FOBS=	104.7	SIGMA=	3.6	PHAS=	183.3	FOM=	0.61
INDE	-7	4	4	FOBS=	81.7	SIGMA=	4.1	PHAS=	277.9	FOM=	0.81
INDE	-7	4	5	FOBS=	178.9	SIGMA=	1.8	PHAS=	172.6	FOM=	1.00
INDE	-7	4	6	FOBS=	102.6	SIGMA=	3.8	PHAS=	174.1	FOM=	0.98
INDE	-7	4	7	FOBS=	196.9	SIGMA=	1.6	PHAS=	44.4	FOM=	0.97
INDE	-7	4	8	FOBS=	281.9	SIGMA=	1.3	PHAS=	230.9	FOM=	0.96
INDE	-7	4	9	FOBS=	577.1	SIGMA=	0.9	PHAS=	206.0	FOM=	1.00
INDE	-7	4	10	FOBS=	112.7	SIGMA=	3.5	PHAS=	54.7	FOM=	0.85
INDE	-7	4	11	FOBS=	132.3	SIGMA=	3.4	PHAS=	103.3	FOM=	0.11
INDE	-7	4	12	FOBS=	209.3	SIGMA=	2.2	PHAS=	359.2	FOM=	0.94
INDE	-7	4	13	FOBS=	146.1	SIGMA=	3.3	PHAS=	2.9	FOM=	0.86
INDE	-7	4	14	FOBS=	248.5	SIGMA=	2.1	PHAS=	149.5	FOM=	0.48
INDE	-7	4	15	FOBS=	68.2	SIGMA=	7.2	PHAS=	287.2	FOM=	0.16
INDE	-7	4	16	FOBS=	170.5	SIGMA=	2.9	PHAS=	307.1	FOM=	0.83
INDE	-7	5	1	FOBS=	66.1	SIGMA=	5.5	PHAS=	185.9	FOM=	0.07
INDE	-7	5	2	FOBS=	211.2	SIGMA=	1.9	PHAS=	47.5	FOM=	0.88
INDE	-7	5	3	FOBS=	205.7	SIGMA=	1.9	PHAS=	100.0	FOM=	0.75
INDE	-7	5	4	FOBS=	233.9	SIGMA=	1.6	PHAS=	12.6	FOM=	0.90
INDE	-7	5	5	FOBS=	277.9	SIGMA=	1.4	PHAS=	170.6	FOM=	0.95
INDE	-7	5	6	FOBS=	173.6	SIGMA=	1.9	PHAS=	57.6	FOM=	0.75
INDE	-7	5	7	FOBS=	206.1	SIGMA=	1.5	PHAS=	209.5	FOM=	0.96
INDE	-7	5	8	FOBS=	479.5	SIGMA=	1.1	PHAS=	124.9	FOM=	0.99
INDE	-7	5	9	FOBS=	352.5	SIGMA=	1.3	PHAS=	87.9	FOM=	0.96
INDE	-7	5	10	FOBS=	169.6	SIGMA=	2.3	PHAS=	28.6	FOM=	0.85
INDE	-7	5	11	FOBS=	72.3	SIGMA=	5.5	PHAS=	200.6	FOM=	0.10
INDE	-7	5	12	FOBS=	227.8	SIGMA=	2.0	PHAS=	307.6	FOM=	0.77
INDE	-7	5	13	FOBS=	60.1	SIGMA=	8.4	PHAS=	309.0	FOM=	0.37
INDE	-7	5	14	FOBS=	144.1	SIGMA=	3.7	PHAS=	258.4	FOM=	0.61
INDE	-7	5	15	FOBS=	211.0	SIGMA=	6.4	PHAS=	14.8	FOM=	0.69
INDE	-7	5	16	FOBS=	84.0	SIGMA=	2.0	PHAS=	227.3	FOM=	0.01
INDE	-7	6	1	FOBS=	169.1	SIGMA=	2.4	PHAS=	274.9	FOM=	0.91
INDE	-7	6	2	FOBS=	85.0	SIGMA=	4.4	PHAS=	100.0	FOM=	0.81
INDE	-7	6	3	FOBS=	200.0	SIGMA=	1.9	PHAS=	301.3	FOM=	0.99
INDE	-7	6	4	FOBS=	60.2	SIGMA=	5.3	PHAS=	202.8	FOM=	0.67
INDE	-7	6	5	FOBS=	152.5	SIGMA=	2.1	PHAS=	115.2	FOM=	0.97
INDE	-7	6	6	FOBS=	183.0	SIGMA=	1.7	PHAS=	232.3	FOM=	0.99
INDE	-7	6	7	FOBS=	221.6	SIGMA=	1.4	PHAS=	39.5	FOM=	0.88
INDE	-7	6	8	FOBS=	341.5	SIGMA=	1.2	PHAS=	184.5	FOM=	0.97
INDE	-7	6	9	FOBS=	215.6	SIGMA=	2.0	PHAS=	317.0	FOM=	0.95
INDE	-7	6	10	FOBS=	290.6	SIGMA=	1.4	PHAS=	127.1	FOM=	0.79
INDE	-7	6	11	FOBS=	256.0	SIGMA=	1.7	PHAS=	268.9	FOM=	0.90

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INDE	-7	6	12	FOBS=	134.5	SIGMA=	3.6	PHAS=	97.2	FOM=	0.31
INDE	-7	6	13	FOBS=	89.4	SIGMA=	5.6	PHAS=	23.0	FOM=	0.27
INDE	-7	6	14	FOBS=	162.9	SIGMA=	3.2	PHAS=	72.0	FOM=	0.81
INDE	-7	6	15	FOBS=	226.2	SIGMA=	2.2	PHAS=	356.5	FOM=	0.77
INDE	-7	6	16	FOBS=	149.6	SIGMA=	3.5	PHAS=	195.8	FOM=	0.65
INDE	-7	7	1	FOBS=	244.2	SIGMA=	1.7	PHAS=	93.7	FOM=	0.84
INDE	-7	7	2	FOBS=	179.7	SIGMA=	2.0	PHAS=	86.8	FOM=	0.97
INDE	-7	7	3	FOBS=	130.3	SIGMA=	2.6	PHAS=	175.4	FOM=	0.95
INDE	-7	7	4	FOBS=	158.6	SIGMA=	2.0	PHAS=	132.6	FOM=	0.57
INDE	-7	7	5	FOBS=	128.0	SIGMA=	3.2	PHAS=	321.0	FOM=	0.90
INDE	-7	7	6	FOBS=	233.6	SIGMA=	1.2	PHAS=	102.8	FOM=	0.68
INDE	-7	7	7	FOBS=	236.7	SIGMA=	1.3	PHAS=	103.2	FOM=	0.96
INDE	-7	7	8	FOBS=	156.2	SIGMA=	2.0	PHAS=	108.1	FOM=	0.73
INDE	-7	7	9	FOBS=	134.8	SIGMA=	2.8	PHAS=	58.8	FOM=	0.83
INDE	-7	7	10	FOBS=	139.5	SIGMA=	2.6	PHAS=	281.0	FOM=	0.56
INDE	-7	7	11	FOBS=	156.7	SIGMA=	2.6	PHAS=	342.9	FOM=	0.70
INDE	-7	7	12	FOBS=	136.9	SIGMA=	3.5	PHAS=	29.5	FOM=	0.91
INDE	-7	7	13	FOBS=	117.6	SIGMA=	4.2	PHAS=	169.3	FOM=	0.61
INDE	-7	7	14	FOBS=	92.0	SIGMA=	5.4	PHAS=	142.2	FOM=	0.02
INDE	-7	7	15	FOBS=	204.9	SIGMA=	2.4	PHAS=	266.6	FOM=	0.91
INDE	-7	7	16	FOBS=	149.4	SIGMA=	3.5	PHAS=	134.2	FOM=	0.11
INDE	-7	8	1	FOBS=	61.4	SIGMA=	7.3	PHAS=	286.5	FOM=	0.60
INDE	-7	8	2	FOBS=	101.1	SIGMA=	3.4	PHAS=	304.7	FOM=	0.96
INDE	-7	8	3	FOBS=	51.9	SIGMA=	7.3	PHAS=	301.7	FOM=	0.22
INDE	-7	8	4	FOBS=	105.5	SIGMA=	2.6	PHAS=	326.1	FOM=	0.19
INDE	-7	8	5	FOBS=	422.7	SIGMA=	1.0	PHAS=	297.1	FOM=	0.90
INDE	-7	8	6	FOBS=	46.5	SIGMA=	5.8	PHAS=	359.4	FOM=	0.03
INDE	-7	8	7	FOBS=	205.0	SIGMA=	1.5	PHAS=	285.2	FOM=	0.95
INDE	-7	8	8	FOBS=	343.8	SIGMA=	1.1	PHAS=	282.3	FOM=	0.97
INDE	-7	8	9	FOBS=	540.1	SIGMA=	1.0	PHAS=	205.4	FOM=	0.97
INDE	-7	8	10	FOBS=	428.9	SIGMA=	1.3	PHAS=	157.0	FOM=	0.98
INDE	-7	8	11	FOBS=	286.9	SIGMA=	1.7	PHAS=	358.4	FOM=	0.94
INDE	-7	8	12	FOBS=	85.7	SIGMA=	5.3	PHAS=	245.5	FOM=	0.46
INDE	-7	8	13	FOBS=	95.1	SIGMA=	5.1	PHAS=	54.3	FOM=	0.57
INDE	-7	8	14	FOBS=	241.8	SIGMA=	2.1	PHAS=	180.6	FOM=	0.95
INDE	-7	8	15	FOBS=	129.9	SIGMA=	4.0	PHAS=	151.0	FOM=	0.96
INDE	-7	8	16	FOBS=	59.2	SIGMA=	8.6	PHAS=	34.1	FOM=	0.07
INDE	-7	9	1	FOBS=	153.1	SIGMA=	3.1	PHAS=	279.2	FOM=	0.76
INDE	-7	9	2	FOBS=	144.4	SIGMA=	2.6	PHAS=	39.0	FOM=	0.78
INDE	-7	9	3	FOBS=	111.6	SIGMA=	3.0	PHAS=	166.4	FOM=	0.91
INDE	-7	9	4	FOBS=	174.0	SIGMA=	2.0	PHAS=	26.9	FOM=	0.98
INDE	-7	9	5	FOBS=	194.3	SIGMA=	1.6	PHAS=	102.3	FOM=	0.60
INDE	-7	9	6	FOBS=	532.0	SIGMA=	1.3	PHAS=	102.6	FOM=	0.95
INDE	-7	9	7	FOBS=	281.3	SIGMA=	1.3	PHAS=	284.2	FOM=	0.97
INDE	-7	9	8	FOBS=	517.0	SIGMA=	1.0	PHAS=	64.0	FOM=	0.97
INDE	-7	9	9	FOBS=	245.6	SIGMA=	1.5	PHAS=	266.8	FOM=	0.92
INDE	-7	9	10	FOBS=	185.2	SIGMA=	2.0	PHAS=	154.2	FOM=	0.97
INDE	-7	9	11	FOBS=	130.5	SIGMA=	3.7	PHAS=	136.3	FOM=	0.87
INDE	-7	9	12	FOBS=	286.5	SIGMA=	1.7	PHAS=	21.9	FOM=	0.53
INDE	-7	9	13	FOBS=	313.3	SIGMA=	1.7	PHAS=	183.8	FOM=	0.53
INDE	-7	9	14	FOBS=	137.5	SIGMA=	3.7	PHAS=	266.1	FOM=	0.23
INDE	-7	9	15	FOBS=	103.3	SIGMA=	5.0	PHAS=	84.8	FOM=	0.19
INDE	-7	9	16	FOBS=	135.6	SIGMA=	4.0	PHAS=	134.1	FOM=	0.12
INDE	-7	10	1	FOBS=	209.0	SIGMA=	2.0	PHAS=	235.0	FOM=	0.68
INDE	-7	10	2	FOBS=	93.7	SIGMA=	4.7	PHAS=	273.9	FOM=	0.20
INDE	-7	10	3	FOBS=	98.4	SIGMA=	3.4	PHAS=	13.3	FOM=	0.70
INDE	-7	10	4	FOBS=	83.6	SIGMA=	3.5	PHAS=	283.5	FOM=	0.60
INDE	-7	10	5	FOBS=	62.5	SIGMA=	8.2	PHAS=	278.8	FOM=	0.10
INDE	-7	10	6	FOBS=	218.9	SIGMA=	2.3	PHAS=	138.9	FOM=	0.62
INDE	-7	10	7	FOBS=	478.8	SIGMA=	1.0	PHAS=	27.0	FOM=	0.70
INDE	-7	10	8	FOBS=	214.7	SIGMA=	1.7	PHAS=	63.2	FOM=	1.00
INDE	-7	10	9	FOBS=	226.8	SIGMA=	1.7	PHAS=	226.2	FOM=	0.99
INDE	-7	10	10	FOBS=	71.9	SIGMA=	6.2	PHAS=	209.7	FOM=	0.20
INDE	-7	10	11	FOBS=	247.3	SIGMA=	1.9	PHAS=	88.2	FOM=	0.99
INDE	-7	10	12	FOBS=	174.6	SIGMA=	2.8	PHAS=	211.0	FOM=	0.96
INDE	-7	10	13	FOBS=	233.7	SIGMA=	2.0	PHAS=	226.3	FOM=	0.56
INDE	-7	10	14	FOBS=	84.4	SIGMA=	5.7	PHAS=	134.5	FOM=	0.15
INDE	-7	10	15	FOBS=	66.4	SIGMA=	7.6	PHAS=	227.5	FOM=	0.20
INDE	-7	10	16	FOBS=	95.3	SIGMA=	9.5	PHAS=	65.1	FOM=	0.20
INDE	-7	11	1	FOBS=	171.0	SIGMA=	2.3	PHAS=	15.1	FOM=	0.60
INDE	-7	11	2	FOBS=	277.6	SIGMA=	1.4	PHAS=	25.6	FOM=	0.86

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INDE	-7	11	3	FOBS=	83.4	SIGMA=	4.0	PHAS=	170.6	FOM=	0.83
INDE	-7	11	4	FOBS=	197.2	SIGMA=	3.4	PHAS=	127.6	FOM=	0.89
INDE	-7	11	5	FOBS=	137.1	SIGMA=	4.5	PHAS=	259.8	FOM=	0.92
INDE	-7	11	6	FOBS=	530.5	SIGMA=	1.8	PHAS=	224.0	FOM=	0.99
INDE	-7	11	7	FOBS=	193.2	SIGMA=	2.1	PHAS=	354.3	FOM=	0.95
INDE	-7	11	8	FOBS=	288.8	SIGMA=	1.2	PHAS=	64.4	FOM=	1.00
INDE	-7	11	9	FOBS=	263.8	SIGMA=	1.5	PHAS=	12.0	FOM=	0.93
INDE	-7	11	10	FOBS=	114.2	SIGMA=	3.9	PHAS=	92.2	FOM=	0.90
INDE	-7	11	11	FOBS=	276.5	SIGMA=	1.7	PHAS=	112.8	FOM=	0.97
INDE	-7	11	12	FOBS=	196.7	SIGMA=	2.3	PHAS=	44.4	FOM=	0.84
INDE	-7	11	13	FOBS=	205.8	SIGMA=	2.2	PHAS=	125.0	FOM=	0.11
INDE	-7	11	14	FOBS=	55.5	SIGMA=	9.3	PHAS=	137.9	FOM=	0.44
INDE	-7	11	15	FOBS=	109.9	SIGMA=	4.7	PHAS=	256.2	FOM=	0.75
INDE	-7	12	1	FOBS=	102.6	SIGMA=	4.5	PHAS=	261.4	FOM=	0.94
INDE	-7	12	2	FOBS=	351.3	SIGMA=	1.2	PHAS=	316.3	FOM=	0.82
INDE	-7	12	3	FOBS=	108.6	SIGMA=	3.5	PHAS=	193.1	FOM=	0.92
INDE	-7	12	4	FOBS=	115.2	SIGMA=	5.1	PHAS=	204.9	FOM=	0.90
INDE	-7	12	5	FOBS=	50.1	SIGMA=	10.9	PHAS=	163.8	FOM=	0.06
INDE	-7	12	6	FOBS=	433.3	SIGMA=	2.1	PHAS=	90.9	FOM=	1.00
INDE	-7	12	7	FOBS=	128.2	SIGMA=	4.2	PHAS=	154.7	FOM=	0.84
INDE	-7	12	8	FOBS=	111.7	SIGMA=	2.5	PHAS=	243.5	FOM=	0.79
INDE	-7	12	9	FOBS=	316.3	SIGMA=	1.7	PHAS=	25.8	FOM=	0.47
INDE	-7	12	10	FOBS=	179.1	SIGMA=	2.5	PHAS=	50.3	FOM=	0.58
INDE	-7	12	11	FOBS=	151.9	SIGMA=	2.8	PHAS=	311.7	FOM=	0.73
INDE	-7	12	12	FOBS=	326.2	SIGMA=	1.6	PHAS=	226.6	FOM=	0.98
INDE	-7	12	13	FOBS=	227.9	SIGMA=	2.2	PHAS=	7.5	FOM=	0.97
INDE	-7	12	14	FOBS=	48.5	SIGMA=	11.7	PHAS=	275.9	FOM=	0.30
INDE	-7	12	15	FOBS=	163.9	SIGMA=	3.0	PHAS=	185.9	FOM=	0.76
INDE	-7	13	1	FOBS=	212.2	SIGMA=	2.1	PHAS=	217.0	FOM=	0.82
INDE	-7	13	2	FOBS=	120.2	SIGMA=	3.7	PHAS=	46.5	FOM=	0.96
INDE	-7	13	3	FOBS=	391.6	SIGMA=	1.2	PHAS=	258.9	FOM=	1.00
INDE	-7	13	4	FOBS=	127.0	SIGMA=	2.4	PHAS=	47.5	FOM=	0.79
INDE	-7	13	5	FOBS=	344.7	SIGMA=	2.1	PHAS=	51.4	FOM=	0.98
INDE	-7	13	6	FOBS=	158.6	SIGMA=	3.5	PHAS=	83.4	FOM=	0.65
INDE	-7	13	7	FOBS=	165.2	SIGMA=	3.5	PHAS=	146.7	FOM=	0.21
INDE	-7	13	8	FOBS=	398.4	SIGMA=	1.1	PHAS=	6.7	FOM=	0.95
INDE	-7	13	9	FOBS=	323.1	SIGMA=	2.2	PHAS=	118.3	FOM=	1.00
INDE	-7	13	10	FOBS=	200.4	SIGMA=	2.3	PHAS=	281.3	FOM=	0.96
INDE	-7	13	11	FOBS=	79.7	SIGMA=	5.8	PHAS=	204.1	FOM=	0.44
INDE	-7	13	12	FOBS=	99.4	SIGMA=	4.6	PHAS=	342.0	FOM=	0.67
INDE	-7	13	13	FOBS=	49.2	SIGMA=	10.0	PHAS=	304.4	FOM=	0.29
INDE	-7	13	14	FOBS=	80.6	SIGMA=	6.6	PHAS=	208.9	FOM=	0.96
INDE	-7	13	15	FOBS=	168.9	SIGMA=	2.9	PHAS=	185.7	FOM=	0.92
INDE	-7	14	1	FOBS=	195.3	SIGMA=	2.2	PHAS=	278.8	FOM=	0.65
INDE	-7	14	2	FOBS=	244.3	SIGMA=	2.0	PHAS=	26.0	FOM=	0.97
INDE	-7	14	3	FOBS=	190.3	SIGMA=	1.8	PHAS=	266.9	FOM=	0.97
INDE	-7	14	4	FOBS=	609.9	SIGMA=	1.8	PHAS=	17.3	FOM=	0.94
INDE	-7	14	5	FOBS=	102.6	SIGMA=	6.3	PHAS=	128.9	FOM=	0.68
INDE	-7	14	6	FOBS=	191.3	SIGMA=	3.1	PHAS=	336.3	FOM=	0.93
INDE	-7	14	7	FOBS=	319.1	SIGMA=	2.1	PHAS=	20.9	FOM=	0.94
INDE	-7	14	8	FOBS=	297.1	SIGMA=	1.0	PHAS=	271.5	FOM=	1.00
INDE	-7	14	9	FOBS=	233.5	SIGMA=	1.7	PHAS=	0.8	FOM=	0.98
INDE	-7	14	10	FOBS=	136.9	SIGMA=	3.7	PHAS=	277.6	FOM=	0.15
INDE	-7	14	11	FOBS=	239.7	SIGMA=	2.4	PHAS=	351.5	FOM=	0.94
INDE	-7	14	12	FOBS=	49.7	SIGMA=	10.3	PHAS=	289.7	FOM=	0.27
INDE	-7	14	13	FOBS=	126.0	SIGMA=	3.9	PHAS=	199.1	FOM=	0.63
INDE	-7	14	14	FOBS=	48.7	SIGMA=	9.9	PHAS=	51.6	FOM=	0.01
INDE	-7	14	15	FOBS=	109.6	SIGMA=	4.5	PHAS=	57.5	FOM=	0.10
INDE	-7	15	1	FOBS=	285.8	SIGMA=	1.8	PHAS=	208.6	FOM=	0.78
INDE	-7	15	2	FOBS=	372.1	SIGMA=	1.4	PHAS=	334.4	FOM=	0.90
INDE	-7	15	3	FOBS=	78.4	SIGMA=	4.3	PHAS=	234.0	FOM=	0.01
INDE	-7	15	4	FOBS=	62.3	SIGMA=	4.9	PHAS=	86.2	FOM=	0.36
INDE	-7	15	5	FOBS=	350.2	SIGMA=	2.1	PHAS=	349.6	FOM=	0.90
INDE	-7	15	6	FOBS=	392.9	SIGMA=	1.8	PHAS=	326.4	FOM=	0.98
INDE	-7	15	7	FOBS=	167.8	SIGMA=	3.6	PHAS=	150.1	FOM=	0.90
INDE	-7	15	8	FOBS=	113.8	SIGMA=	3.2	PHAS=	113.5	FOM=	0.63
INDE	-7	15	9	FOBS=	165.4	SIGMA=	2.5	PHAS=	48.0	FOM=	0.87
INDE	-7	15	10	FOBS=	525.6	SIGMA=	1.6	PHAS=	14.0	FOM=	1.00
INDE	-7	15	11	FOBS=	163.5	SIGMA=	3.4	PHAS=	357.6	FOM=	0.70
INDE	-7	15	12	FOBS=	183.9	SIGMA=	2.7	PHAS=	305.1	FOM=	0.80
INDE	-7	15	13	FOBS=	230.3	SIGMA=	2.1	PHAS=	91.4	FOM=	0.97

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INDE	-7	15	14	FOBS=	136.3	SIGMA=	3.6	PHAS=	299.7	FOM=	0.79
INDE	-7	16	1	FOBS=	362.9	SIGMA=	2.0	PHAS=	268.2	FOM=	1.00
INDE	-7	16	2	FOBS=	150.4	SIGMA=	2.7	PHAS=	146.0	FOM=	0.88
INDE	-7	16	3	FOBS=	174.9	SIGMA=	2.1	PHAS=	174.4	FOM=	0.29
INDE	-7	16	4	FOBS=	143.6	SIGMA=	1.9	PHAS=	183.4	FOM=	0.97
INDE	-7	16	5	FOBS=	238.5	SIGMA=	2.7	PHAS=	32.6	FOM=	0.93
INDE	-7	16	6	FOBS=	210.8	SIGMA=	2.8	PHAS=	130.5	FOM=	0.80
INDE	-7	16	7	FOBS=	259.5	SIGMA=	2.6	PHAS=	226.3	FOM=	0.82
INDE	-7	16	8	FOBS=	99.3	SIGMA=	3.6	PHAS=	204.3	FOM=	0.73
INDE	-7	16	9	FOBS=	123.9	SIGMA=	3.0	PHAS=	334.6	FOM=	0.91
INDE	-7	16	10	FOBS=	316.3	SIGMA=	1.4	PHAS=	176.0	FOM=	0.97
INDE	-7	16	11	FOBS=	64.6	SIGMA=	7.3	PHAS=	237.9	FOM=	0.11
INDE	-7	16	12	FOBS=	45.2	SIGMA=	10.6	PHAS=	22.1	FOM=	0.17
INDE	-7	16	13	FOBS=	141.2	SIGMA=	3.6	PHAS=	111.3	FOM=	0.76
INDE	-7	16	14	FOBS=	110.2	SIGMA=	4.7	PHAS=	288.2	FOM=	0.45
INDE	-7	17	1	FOBS=	236.0	SIGMA=	1.9	PHAS=	17.1	FOM=	0.95
INDE	-7	17	2	FOBS=	557.0	SIGMA=	1.3	PHAS=	51.5	FOM=	0.97
INDE	-7	17	3	FOBS=	68.5	SIGMA=	5.1	PHAS=	281.0	FOM=	0.72
INDE	-7	17	4	FOBS=	369.0	SIGMA=	1.0	PHAS=	264.6	FOM=	0.66
INDE	-7	17	5	FOBS=	127.7	SIGMA=	2.7	PHAS=	348.7	FOM=	0.89
INDE	-7	17	6	FOBS=	438.7	SIGMA=	1.8	PHAS=	200.3	FOM=	0.98
INDE	-7	17	7	FOBS=	323.0	SIGMA=	2.2	PHAS=	200.4	FOM=	0.85
INDE	-7	17	8	FOBS=	83.2	SIGMA=	3.9	PHAS=	117.4	FOM=	0.79
INDE	-7	17	9	FOBS=	162.1	SIGMA=	2.1	PHAS=	132.3	FOM=	0.76
INDE	-7	17	10	FOBS=	147.4	SIGMA=	2.7	PHAS=	75.8	FOM=	0.93
INDE	-7	17	11	FOBS=	146.6	SIGMA=	2.9	PHAS=	105.3	FOM=	0.07
INDE	-7	17	12	FOBS=	120.9	SIGMA=	3.9	PHAS=	322.1	FOM=	0.77
INDE	-7	17	13	FOBS=	98.5	SIGMA=	4.6	PHAS=	84.0	FOM=	0.46
INDE	-7	17	14	FOBS=	158.9	SIGMA=	3.0	PHAS=	308.1	FOM=	0.73
INDE	-7	18	1	FOBS=	278.7	SIGMA=	1.7	PHAS=	26.6	FOM=	0.98
INDE	-7	18	2	FOBS=	523.6	SIGMA=	1.0	PHAS=	213.2	FOM=	1.00
INDE	-7	18	3	FOBS=	335.4	SIGMA=	1.6	PHAS=	144.2	FOM=	0.94
INDE	-7	18	4	FOBS=	433.1	SIGMA=	1.0	PHAS=	1.5	FOM=	1.00
INDE	-7	18	5	FOBS=	231.8	SIGMA=	1.8	PHAS=	132.2	FOM=	0.97
INDE	-7	18	6	FOBS=	152.3	SIGMA=	3.8	PHAS=	1.2	FOM=	0.89
INDE	-7	18	7	FOBS=	225.1	SIGMA=	3.0	PHAS=	330.6	FOM=	0.54
INDE	-7	18	8	FOBS=	78.1	SIGMA=	3.5	PHAS=	70.8	FOM=	0.81
INDE	-7	18	9	FOBS=	62.9	SIGMA=	5.6	PHAS=	306.4	FOM=	0.54
INDE	-7	18	10	FOBS=	256.8	SIGMA=	1.6	PHAS=	136.6	FOM=	0.97
INDE	-7	18	11	FOBS=	183.6	SIGMA=	2.3	PHAS=	3.5	FOM=	0.95
INDE	-7	18	12	FOBS=	134.1	SIGMA=	3.9	PHAS=	239.9	FOM=	0.74
INDE	-7	18	13	FOBS=	174.2	SIGMA=	2.6	PHAS=	66.8	FOM=	0.86
INDE	-7	19	1	FOBS=	391.7	SIGMA=	1.4	PHAS=	94.3	FOM=	0.39
INDE	-7	19	2	FOBS=	209.0	SIGMA=	2.1	PHAS=	132.0	FOM=	0.82
INDE	-7	19	3	FOBS=	154.0	SIGMA=	3.3	PHAS=	122.0	FOM=	0.18
INDE	-7	19	4	FOBS=	478.9	SIGMA=	1.1	PHAS=	49.5	FOM=	0.99
INDE	-7	19	5	FOBS=	110.8	SIGMA=	3.1	PHAS=	289.2	FOM=	0.84
INDE	-7	19	6	FOBS=	446.5	SIGMA=	1.1	PHAS=	219.5	FOM=	0.91
INDE	-7	19	7	FOBS=	183.1	SIGMA=	2.0	PHAS=	4.0	FOM=	0.97
INDE	-7	19	8	FOBS=	53.9	SIGMA=	5.6	PHAS=	243.6	FOM=	0.55
INDE	-7	19	9	FOBS=	30.3	SIGMA=	10.2	PHAS=	97.2	FOM=	0.12
INDE	-7	19	10	FOBS=	148.7	SIGMA=	2.5	PHAS=	233.7	FOM=	0.90
INDE	-7	19	11	FOBS=	131.4	SIGMA=	3.2	PHAS=	258.2	FOM=	0.22
INDE	-7	19	12	FOBS=	220.9	SIGMA=	2.2	PHAS=	357.9	FOM=	0.76
INDE	-7	19	13	FOBS=	168.9	SIGMA=	2.8	PHAS=	129.0	FOM=	0.09
INDE	-7	20	1	FOBS=	228.7	SIGMA=	2.2	PHAS=	173.8	FOM=	0.94
INDE	-7	20	2	FOBS=	251.5	SIGMA=	1.8	PHAS=	255.7	FOM=	0.57
INDE	-7	20	3	FOBS=	244.1	SIGMA=	1.8	PHAS=	81.9	FOM=	0.97
INDE	-7	20	4	FOBS=	228.4	SIGMA=	1.8	PHAS=	318.3	FOM=	1.00
INDE	-7	20	5	FOBS=	128.2	SIGMA=	2.9	PHAS=	233.4	FOM=	0.77
INDE	-7	20	6	FOBS=	320.2	SIGMA=	1.3	PHAS=	41.0	FOM=	0.98
INDE	-7	20	7	FOBS=	93.5	SIGMA=	3.9	PHAS=	115.2	FOM=	0.34
INDE	-7	20	8	FOBS=	102.4	SIGMA=	2.6	PHAS=	321.2	FOM=	0.67
INDE	-7	20	9	FOBS=	179.8	SIGMA=	2.0	PHAS=	259.8	FOM=	0.75
INDE	-7	20	10	FOBS=	83.4	SIGMA=	4.5	PHAS=	189.9	FOM=	0.06
INDE	-7	20	11	FOBS=	130.6	SIGMA=	3.0	PHAS=	340.5	FOM=	0.33
INDE	-7	20	12	FOBS=	191.2	SIGMA=	2.2	PHAS=	168.4	FOM=	0.85
INDE	-7	20	13	FOBS=	94.9	SIGMA=	5.1	PHAS=	305.0	FOM=	0.55
INDE	-7	21	1	FOBS=	127.2	SIGMA=	4.1	PHAS=	221.9	FOM=	0.77
INDE	-7	21	2	FOBS=	78.6	SIGMA=	4.7	PHAS=	233.9	FOM=	0.85
INDE	-7	21	3	FOBS=	97.9	SIGMA=	4.6	PHAS=	285.3	FOM=	0.91

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INDE	-7	21	4	FOBS=	298.5	SIGMA=	1.7	PHAS=	134.7	FOM=	0.97
INDE	-7	21	5	FOBS=	111.5	SIGMA=	3.2	PHAS=	147.5	FOM=	0.87
INDE	-7	21	6	FOBS=	355.3	SIGMA=	1.3	PHAS=	93.5	FOM=	0.95
INDE	-7	21	7	FOBS=	344.9	SIGMA=	1.3	PHAS=	96.3	FOM=	0.97
INDE	-7	21	8	FOBS=	129.0	SIGMA=	2.6	PHAS=	146.9	FOM=	0.96
INDE	-7	21	9	FOBS=	309.3	SIGMA=	1.6	PHAS=	281.8	FOM=	0.98
INDE	-7	21	10	FOBS=	121.1	SIGMA=	3.2	PHAS=	23.9	FOM=	0.45
INDE	-7	21	11	FOBS=	188.9	SIGMA=	2.1	PHAS=	265.9	FOM=	1.00
INDE	-7	21	12	FOBS=	167.6	SIGMA=	2.4	PHAS=	133.8	FOM=	0.59
INDE	-7	22	1	FOBS=	279.9	SIGMA=	2.0	PHAS=	296.5	FOM=	0.90
INDE	-7	22	2	FOBS=	246.2	SIGMA=	2.3	PHAS=	347.8	FOM=	0.14
INDE	-7	22	3	FOBS=	146.1	SIGMA=	3.0	PHAS=	96.9	FOM=	0.90
INDE	-7	22	4	FOBS=	107.5	SIGMA=	3.8	PHAS=	24.5	FOM=	0.91
INDE	-7	22	5	FOBS=	150.6	SIGMA=	2.3	PHAS=	344.7	FOM=	0.93
INDE	-7	22	6	FOBS=	55.7	SIGMA=	7.3	PHAS=	265.9	FOM=	0.09
INDE	-7	22	7	FOBS=	176.9	SIGMA=	2.0	PHAS=	295.0	FOM=	0.91
INDE	-7	22	8	FOBS=	350.2	SIGMA=	1.9	PHAS=	313.6	FOM=	0.99
INDE	-7	22	9	FOBS=	60.0	SIGMA=	5.7	PHAS=	308.8	FOM=	0.10
INDE	-7	22	10	FOBS=	158.8	SIGMA=	2.4	PHAS=	220.0	FOM=	0.15
INDE	-7	22	11	FOBS=	66.6	SIGMA=	5.8	PHAS=	57.2	FOM=	0.04
INDE	-7	22	12	FOBS=	180.5	SIGMA=	2.3	PHAS=	184.3	FOM=	0.43
INDE	-7	23	1	FOBS=	98.2	SIGMA=	5.2	PHAS=	268.0	FOM=	0.42
INDE	-7	23	2	FOBS=	344.6	SIGMA=	2.1	PHAS=	67.9	FOM=	0.95
INDE	-7	23	3	FOBS=	67.1	SIGMA=	6.4	PHAS=	2.7	FOM=	0.65
INDE	-7	23	4	FOBS=	100.9	SIGMA=	4.1	PHAS=	144.9	FOM=	0.76
INDE	-7	23	5	FOBS=	165.6	SIGMA=	2.3	PHAS=	104.3	FOM=	0.94
INDE	-7	23	6	FOBS=	320.5	SIGMA=	1.4	PHAS=	350.5	FOM=	0.98
INDE	-7	23	7	FOBS=	158.6	SIGMA=	2.2	PHAS=	326.9	FOM=	0.92
INDE	-7	23	8	FOBS=	151.5	SIGMA=	3.1	PHAS=	155.7	FOM=	0.29
INDE	-7	23	9	FOBS=	194.5	SIGMA=	1.9	PHAS=	149.4	FOM=	0.94
INDE	-7	23	10	FOBS=	99.0	SIGMA=	4.0	PHAS=	104.8	FOM=	0.90
INDE	-7	23	11	FOBS=	208.7	SIGMA=	2.0	PHAS=	291.5	FOM=	0.92
INDE	-7	24	1	FOBS=	165.1	SIGMA=	2.8	PHAS=	53.0	FOM=	0.50
INDE	-7	24	2	FOBS=	169.1	SIGMA=	3.4	PHAS=	153.3	FOM=	0.62
INDE	-7	24	3	FOBS=	86.5	SIGMA=	4.9	PHAS=	121.0	FOM=	0.36
INDE	-7	24	4	FOBS=	95.6	SIGMA=	4.1	PHAS=	39.9	FOM=	0.51
INDE	-7	24	5	FOBS=	288.0	SIGMA=	1.6	PHAS=	83.7	FOM=	0.95
INDE	-7	24	6	FOBS=	382.7	SIGMA=	1.2	PHAS=	325.5	FOM=	1.00
INDE	-7	24	7	FOBS=	212.7	SIGMA=	2.0	PHAS=	78.0	FOM=	0.17
INDE	-7	24	8	FOBS=	177.4	SIGMA=	2.9	PHAS=	127.6	FOM=	0.90
INDE	-7	24	9	FOBS=	63.3	SIGMA=	8.3	PHAS=	2.2	FOM=	0.94
INDE	-7	24	10	FOBS=	83.8	SIGMA=	4.5	PHAS=	171.8	FOM=	0.32
INDE	-7	24	11	FOBS=	96.8	SIGMA=	5.0	PHAS=	14.1	FOM=	0.26
INDE	-7	25	1	FOBS=	77.8	SIGMA=	6.2	PHAS=	317.8	FOM=	0.69
INDE	-7	25	2	FOBS=	131.8	SIGMA=	3.6	PHAS=	53.2	FOM=	0.49
INDE	-7	25	3	FOBS=	50.8	SIGMA=	9.4	PHAS=	175.6	FOM=	0.21
INDE	-7	25	4	FOBS=	62.1	SIGMA=	6.4	PHAS=	195.0	FOM=	0.17
INDE	-7	25	5	FOBS=	262.5	SIGMA=	1.6	PHAS=	91.4	FOM=	1.00
INDE	-7	25	6	FOBS=	150.3	SIGMA=	2.5	PHAS=	16.9	FOM=	0.89
INDE	-7	25	7	FOBS=	246.5	SIGMA=	1.8	PHAS=	47.3	FOM=	0.90
INDE	-7	25	8	FOBS=	126.1	SIGMA=	3.7	PHAS=	353.0	FOM=	0.84
INDE	-7	25	9	FOBS=	86.8	SIGMA=	4.7	PHAS=	345.4	FOM=	0.91
INDE	-7	25	10	FOBS=	41.9	SIGMA=	11.9	PHAS=	139.4	FOM=	0.36
INDE	-7	26	1	FOBS=	96.7	SIGMA=	6.1	PHAS=	325.4	FOM=	0.81
INDE	-7	26	2	FOBS=	79.0	SIGMA=	5.7	PHAS=	210.5	FOM=	0.47
INDE	-7	26	3	FOBS=	109.5	SIGMA=	4.0	PHAS=	99.1	FOM=	0.81
INDE	-7	26	4	FOBS=	156.4	SIGMA=	2.8	PHAS=	29.5	FOM=	0.96
INDE	-7	26	5	FOBS=	163.2	SIGMA=	2.3	PHAS=	105.3	FOM=	0.81
INDE	-7	26	6	FOBS=	91.1	SIGMA=	4.2	PHAS=	245.0	FOM=	0.39
INDE	-7	26	7	FOBS=	61.8	SIGMA=	5.8	PHAS=	10.0	FOM=	0.41
INDE	-7	26	8	FOBS=	57.8	SIGMA=	7.8	PHAS=	282.5	FOM=	0.08
INDE	-7	26	9	FOBS=	52.6	SIGMA=	7.1	PHAS=	85.1	FOM=	0.11
INDE	-7	27	1	FOBS=	196.9	SIGMA=	2.9	PHAS=	36.9	FOM=	0.23
INDE	-7	27	2	FOBS=	248.1	SIGMA=	1.9	PHAS=	153.1	FOM=	0.97
INDE	-7	27	3	FOBS=	164.4	SIGMA=	2.6	PHAS=	309.3	FOM=	0.14
INDE	-7	27	4	FOBS=	111.8	SIGMA=	3.8	PHAS=	305.6	FOM=	0.81
INDE	-7	27	5	FOBS=	201.2	SIGMA=	2.1	PHAS=	145.0	FOM=	0.97
INDE	-7	27	6	FOBS=	83.5	SIGMA=	4.2	PHAS=	301.7	FOM=	0.96
INDE	-7	27	7	FOBS=	99.8	SIGMA=	3.7	PHAS=	329.8	FOM=	0.82
INDE	-7	27	8	FOBS=	123.9	SIGMA=	3.6	PHAS=	86.3	FOM=	0.68
INDE	-7	28	1	FOBS=	48.3	SIGMA=	10.7	PHAS=	102.0	FOM=	0.28

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INDE	-7	28	2	FOBS=	221.0	SIGMA=	2.0	PHAS=	138.0	FOM=	0.74
INDE	-7	28	3	FOBS=	70.2	SIGMA=	5.8	PHAS=	53.4	FOM=	0.43
INDE	-7	28	4	FOBS=	79.1	SIGMA=	5.0	PHAS=	104.2	FOM=	0.84
INDE	-7	28	5	FOBS=	149.8	SIGMA=	2.5	PHAS=	41.6	FOM=	0.64
INDE	-7	28	6	FOBS=	29.7	SIGMA=	13.3	PHAS=	28.4	FOM=	0.05
INDE	-7	28	7	FOBS=	119.4	SIGMA=	3.2	PHAS=	343.1	FOM=	0.86
INDE	-7	29	1	FOBS=	128.1	SIGMA=	3.5	PHAS=	92.2	FOM=	0.34
INDE	-7	29	2	FOBS=	54.4	SIGMA=	8.2	PHAS=	26.9	FOM=	0.06
INDE	-7	29	3	FOBS=	141.8	SIGMA=	2.9	PHAS=	31.3	FOM=	0.44
INDE	-7	29	4	FOBS=	238.2	SIGMA=	1.8	PHAS=	79.2	FOM=	0.96
INDE	-7	29	5	FOBS=	35.4	SIGMA=	10.2	PHAS=	258.9	FOM=	0.32
INDE	-7	29	6	FOBS=	117.6	SIGMA=	3.4	PHAS=	137.5	FOM=	0.50
INDE	-7	30	1	FOBS=	84.4	SIGMA=	5.1	PHAS=	26.8	FOM=	0.24
INDE	-7	30	2	FOBS=	124.0	SIGMA=	3.5	PHAS=	91.0	FOM=	0.42
INDE	-7	30	3	FOBS=	105.4	SIGMA=	3.9	PHAS=	93.9	FOM=	0.48
INDE	-7	30	4	FOBS=	169.2	SIGMA=	2.3	PHAS=	83.5	FOM=	0.91
INDE	-7	30	5	FOBS=	115.9	SIGMA=	13.2	PHAS=	54.9	FOM=	0.03
INDE	-6	0	1	FOBS=	221.8	SIGMA=	3.0	PHAS=	0.0	FOM=	1.00
INDE	-6	0	2	FOBS=	346.5	SIGMA=	1.6	PHAS=	0.0	FOM=	1.00
INDE	-6	0	3	FOBS=	42.6	SIGMA=	6.2	PHAS=	0.0	FOM=	0.99
INDE	-6	0	4	FOBS=	393.0	SIGMA=	1.6	PHAS=	0.0	FOM=	0.89
INDE	-6	0	5	FOBS=	33.5	SIGMA=	22.6	PHAS=	0.0	FOM=	0.62
INDE	-6	0	6	FOBS=	287.4	SIGMA=	1.6	PHAS=	0.0	FOM=	1.00
INDE	-6	0	7	FOBS=	188.2	SIGMA=	2.2	PHAS=	180.0	FOM=	0.96
INDE	-6	0	8	FOBS=	79.2	SIGMA=	5.5	PHAS=	180.0	FOM=	0.04
INDE	-6	0	9	FOBS=	122.2	SIGMA=	4.4	PHAS=	0.0	FOM=	0.08
INDE	-6	0	10	FOBS=	39.1	SIGMA=	13.9	PHAS=	0.0	FOM=	0.08
INDE	-6	0	11	FOBS=	73.2	SIGMA=	8.8	PHAS=	180.0	FOM=	0.66
INDE	-6	0	12	FOBS=	292.5	SIGMA=	2.5	PHAS=	0.0	FOM=	1.00
INDE	-6	0	13	FOBS=	128.1	SIGMA=	5.8	PHAS=	0.0	FOM=	0.01
INDE	-6	0	14	FOBS=	122.0	SIGMA=	7.0	PHAS=	180.0	FOM=	0.70
INDE	-6	0	15	FOBS=	356.8	SIGMA=	2.5	PHAS=	0.0	FOM=	1.00
INDE	-6	0	16	FOBS=	55.7	SIGMA=	14.0	PHAS=	180.0	FOM=	0.07
INDE	-6	0	17	FOBS=	86.3	SIGMA=	15.1	PHAS=	180.0	FOM=	0.05
INDE	-6	1	1	FOBS=	493.9	SIGMA=	1.3	PHAS=	305.0	FOM=	0.99
INDE	-6	1	2	FOBS=	436.5	SIGMA=	1.2	PHAS=	93.7	FOM=	0.70
INDE	-6	1	3	FOBS=	289.3	SIGMA=	1.3	PHAS=	23.2	FOM=	0.94
INDE	-6	1	4	FOBS=	414.0	SIGMA=	1.1	PHAS=	137.6	FOM=	0.98
INDE	-6	1	5	FOBS=	44.6	SIGMA=	6.6	PHAS=	327.0	FOM=	0.57
INDE	-6	1	6	FOBS=	54.4	SIGMA=	4.8	PHAS=	133.3	FOM=	0.78
INDE	-6	1	7	FOBS=	206.9	SIGMA=	1.7	PHAS=	267.0	FOM=	0.83
INDE	-6	1	8	FOBS=	333.0	SIGMA=	1.1	PHAS=	69.2	FOM=	1.00
INDE	-6	1	9	FOBS=	222.1	SIGMA=	1.7	PHAS=	215.8	FOM=	0.97
INDE	-6	1	10	FOBS=	161.2	SIGMA=	2.3	PHAS=	8.8	FOM=	0.09
INDE	-6	1	11	FOBS=	382.7	SIGMA=	1.3	PHAS=	61.5	FOM=	1.00
INDE	-6	1	12	FOBS=	168.0	SIGMA=	2.7	PHAS=	104.1	FOM=	0.91
INDE	-6	1	13	FOBS=	232.6	SIGMA=	2.2	PHAS=	57.0	FOM=	0.90
INDE	-6	1	14	FOBS=	215.2	SIGMA=	2.4	PHAS=	265.5	FOM=	0.57
INDE	-6	1	15	FOBS=	55.7	SIGMA=	9.9	PHAS=	300.8	FOM=	0.19
INDE	-6	1	16	FOBS=	164.4	SIGMA=	3.6	PHAS=	96.2	FOM=	0.82
INDE	-6	1	17	FOBS=	85.8	SIGMA=	10.6	PHAS=	339.2	FOM=	0.17
INDE	-6	2	1	FOBS=	304.2	SIGMA=	1.3	PHAS=	19.4	FOM=	0.99
INDE	-6	2	2	FOBS=	364.3	SIGMA=	1.3	PHAS=	194.0	FOM=	1.00
INDE	-6	2	3	FOBS=	134.8	SIGMA=	2.6	PHAS=	215.9	FOM=	0.93
INDE	-6	2	4	FOBS=	235.8	SIGMA=	1.4	PHAS=	74.9	FOM=	0.95
INDE	-6	2	5	FOBS=	114.0	SIGMA=	3.0	PHAS=	196.7	FOM=	0.86
INDE	-6	2	6	FOBS=	340.5	SIGMA=	1.1	PHAS=	39.4	FOM=	0.97
INDE	-6	2	7	FOBS=	43.2	SIGMA=	6.6	PHAS=	352.1	FOM=	0.72
INDE	-6	2	8	FOBS=	102.8	SIGMA=	3.3	PHAS=	150.8	FOM=	0.92
INDE	-6	2	9	FOBS=	296.5	SIGMA=	1.3	PHAS=	240.6	FOM=	0.97
INDE	-6	2	10	FOBS=	338.2	SIGMA=	1.3	PHAS=	13.1	FOM=	0.98
INDE	-6	2	11	FOBS=	371.7	SIGMA=	1.3	PHAS=	357.4	FOM=	0.93
INDE	-6	2	12	FOBS=	167.0	SIGMA=	2.8	PHAS=	4.5	FOM=	0.86
INDE	-6	2	13	FOBS=	360.2	SIGMA=	1.6	PHAS=	349.4	FOM=	0.95
INDE	-6	2	14	FOBS=	152.1	SIGMA=	3.6	PHAS=	125.0	FOM=	0.81
INDE	-6	2	15	FOBS=	205.1	SIGMA=	2.6	PHAS=	296.2	FOM=	0.74
INDE	-6	2	16	FOBS=	154.2	SIGMA=	3.7	PHAS=	189.5	FOM=	0.57
INDE	-6	2	17	FOBS=	52.0	SIGMA=	23.9	PHAS=	347.6	FOM=	0.04
INDE	-6	3	1	FOBS=	273.2	SIGMA=	1.3	PHAS=	78.2	FOM=	0.99
INDE	-6	3	2	FOBS=	183.1	SIGMA=	1.9	PHAS=	31.0	FOM=	0.95
INDE	-6	3	3	FOBS=	158.8	SIGMA=	2.2	PHAS=	237.1	FOM=	0.37

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INDE	-6	3	4	FOBS=	102.3	SIGMA=	2.8	PHAS=	124.5	FOM=	0.96
INDE	-6	3	5	FOBS=	143.6	SIGMA=	2.0	PHAS=	124.5	FOM=	0.98
INDE	-6	3	6	FOBS=	59.8	SIGMA=	4.7	PHAS=	308.1	FOM=	0.81
INDE	-6	3	7	FOBS=	271.7	SIGMA=	1.4	PHAS=	120.2	FOM=	0.87
INDE	-6	3	8	FOBS=	159.5	SIGMA=	1.9	PHAS=	295.6	FOM=	0.94
INDE	-6	3	9	FOBS=	242.6	SIGMA=	1.6	PHAS=	233.5	FOM=	0.97
INDE	-6	3	10	FOBS=	410.1	SIGMA=	1.3	PHAS=	149.6	FOM=	0.88
INDE	-6	3	11	FOBS=	470.0	SIGMA=	1.2	PHAS=	103.1	FOM=	0.97
INDE	-6	3	12	FOBS=	151.9	SIGMA=	3.6	PHAS=	329.1	FOM=	0.89
INDE	-6	3	13	FOBS=	185.7	SIGMA=	2.7	PHAS=	294.5	FOM=	0.75
INDE	-6	3	14	FOBS=	103.8	SIGMA=	5.2	PHAS=	255.6	FOM=	0.29
INDE	-6	3	15	FOBS=	148.3	SIGMA=	3.8	PHAS=	321.6	FOM=	0.19
INDE	-6	3	16	FOBS=	42.0	SIGMA=	19.3	PHAS=	106.9	FOM=	0.09
INDE	-6	4	1	FOBS=	317.8	SIGMA=	1.6	PHAS=	184.4	FOM=	0.94
INDE	-6	4	2	FOBS=	52.6	SIGMA=	5.6	PHAS=	12.4	FOM=	0.16
INDE	-6	4	3	FOBS=	38.7	SIGMA=	7.6	PHAS=	148.8	FOM=	0.15
INDE	-6	4	4	FOBS=	133.5	SIGMA=	2.3	PHAS=	127.9	FOM=	0.51
INDE	-6	4	5	FOBS=	139.1	SIGMA=	1.9	PHAS=	215.6	FOM=	0.84
INDE	-6	4	6	FOBS=	139.7	SIGMA=	1.9	PHAS=	223.0	FOM=	0.83
INDE	-6	4	7	FOBS=	186.2	SIGMA=	1.7	PHAS=	32.8	FOM=	0.95
INDE	-6	4	8	FOBS=	110.5	SIGMA=	3.0	PHAS=	275.6	FOM=	0.77
INDE	-6	4	9	FOBS=	319.6	SIGMA=	1.3	PHAS=	94.6	FOM=	0.95
INDE	-6	4	10	FOBS=	112.6	SIGMA=	3.4	PHAS=	340.8	FOM=	0.96
INDE	-6	4	11	FOBS=	517.4	SIGMA=	1.2	PHAS=	29.2	FOM=	0.98
INDE	-6	4	12	FOBS=	275.7	SIGMA=	1.9	PHAS=	255.1	FOM=	0.41
INDE	-6	4	13	FOBS=	287.4	SIGMA=	1.9	PHAS=	1.7	FOM=	0.20
INDE	-6	4	14	FOBS=	220.0	SIGMA=	2.4	PHAS=	218.6	FOM=	0.74
INDE	-6	4	15	FOBS=	88.8	SIGMA=	6.1	PHAS=	355.6	FOM=	0.16
INDE	-6	4	16	FOBS=	44.5	SIGMA=	12.7	PHAS=	274.1	FOM=	0.02
INDE	-6	5	1	FOBS=	124.2	SIGMA=	3.2	PHAS=	199.6	FOM=	0.96
INDE	-6	5	2	FOBS=	96.6	SIGMA=	3.4	PHAS=	54.6	FOM=	0.95
INDE	-6	5	3	FOBS=	376.5	SIGMA=	1.2	PHAS=	56.4	FOM=	0.62
INDE	-6	5	4	FOBS=	91.4	SIGMA=	3.6	PHAS=	290.1	FOM=	0.96
INDE	-6	5	5	FOBS=	210.8	SIGMA=	1.4	PHAS=	211.2	FOM=	0.92
INDE	-6	5	6	FOBS=	212.8	SIGMA=	1.4	PHAS=	342.9	FOM=	0.78
INDE	-6	5	7	FOBS=	229.8	SIGMA=	1.4	PHAS=	44.1	FOM=	0.97
INDE	-6	5	8	FOBS=	76.3	SIGMA=	4.1	PHAS=	112.8	FOM=	0.73
INDE	-6	5	9	FOBS=	65.1	SIGMA=	5.1	PHAS=	341.7	FOM=	0.32
INDE	-6	5	10	FOBS=	203.9	SIGMA=	2.0	PHAS=	142.9	FOM=	0.77
INDE	-6	5	11	FOBS=	282.1	SIGMA=	1.7	PHAS=	209.9	FOM=	0.96
INDE	-6	5	12	FOBS=	256.6	SIGMA=	2.0	PHAS=	169.9	FOM=	0.42
INDE	-6	5	13	FOBS=	98.6	SIGMA=	5.2	PHAS=	235.5	FOM=	0.74
INDE	-6	5	14	FOBS=	177.7	SIGMA=	2.9	PHAS=	188.0	FOM=	0.89
INDE	-6	5	15	FOBS=	224.4	SIGMA=	2.3	PHAS=	239.3	FOM=	0.11
INDE	-6	5	16	FOBS=	162.4	SIGMA=	3.4	PHAS=	296.7	FOM=	0.74
INDE	-6	6	1	FOBS=	189.1	SIGMA=	2.0	PHAS=	123.5	FOM=	0.97
INDE	-6	6	2	FOBS=	89.2	SIGMA=	4.2	PHAS=	340.3	FOM=	0.13
INDE	-6	6	3	FOBS=	231.4	SIGMA=	1.6	PHAS=	83.0	FOM=	0.59
INDE	-6	6	4	FOBS=	142.8	SIGMA=	2.0	PHAS=	273.7	FOM=	0.84
INDE	-6	6	5	FOBS=	155.1	SIGMA=	1.7	PHAS=	69.4	FOM=	0.99
INDE	-6	6	6	FOBS=	95.8	SIGMA=	3.8	PHAS=	68.8	FOM=	0.43
INDE	-6	6	7	FOBS=	122.8	SIGMA=	2.3	PHAS=	165.2	FOM=	0.95
INDE	-6	6	8	FOBS=	214.8	SIGMA=	1.6	PHAS=	201.2	FOM=	0.95
INDE	-6	6	9	FOBS=	164.6	SIGMA=	2.1	PHAS=	314.8	FOM=	0.26
INDE	-6	6	10	FOBS=	111.6	SIGMA=	3.8	PHAS=	277.2	FOM=	0.73
INDE	-6	6	11	FOBS=	167.2	SIGMA=	2.6	PHAS=	70.5	FOM=	0.28
INDE	-6	6	12	FOBS=	216.5	SIGMA=	2.3	PHAS=	260.1	FOM=	0.91
INDE	-6	6	13	FOBS=	189.1	SIGMA=	2.6	PHAS=	158.8	FOM=	0.64
INDE	-6	6	14	FOBS=	163.0	SIGMA=	3.3	PHAS=	34.3	FOM=	0.09
INDE	-6	6	15	FOBS=	180.3	SIGMA=	2.9	PHAS=	319.8	FOM=	0.47
INDE	-6	6	16	FOBS=	194.7	SIGMA=	2.7	PHAS=	254.2	FOM=	0.24
INDE	-6	7	1	FOBS=	254.6	SIGMA=	1.5	PHAS=	26.9	FOM=	0.61
INDE	-6	7	2	FOBS=	84.2	SIGMA=	3.7	PHAS=	254.0	FOM=	0.19
INDE	-6	7	3	FOBS=	265.9	SIGMA=	1.3	PHAS=	285.6	FOM=	0.87
INDE	-6	7	4	FOBS=	66.1	SIGMA=	3.2	PHAS=	54.1	FOM=	0.62
INDE	-6	7	5	FOBS=	59.4	SIGMA=	3.6	PHAS=	279.5	FOM=	0.61
INDE	-6	7	6	FOBS=	259.0	SIGMA=	1.5	PHAS=	317.4	FOM=	0.89
INDE	-6	7	7	FOBS=	101.4	SIGMA=	2.9	PHAS=	165.5	FOM=	0.52
INDE	-6	7	8	FOBS=	195.1	SIGMA=	1.8	PHAS=	232.8	FOM=	0.94
INDE	-6	7	9	FOBS=	542.2	SIGMA=	1.1	PHAS=	136.0	FOM=	0.98
INDE	-6	7	10	FOBS=	149.6	SIGMA=	2.5	PHAS=	19.5	FOM=	0.91

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INDE	-6	7	11	FOBS=	167.8	SIGMA=	2.6	PHAS=	312.5	FOM=	0.51
INDE	-6	7	12	FOBS=	175.7	SIGMA=	2.8	PHAS=	118.8	FOM=	0.60
INDE	-6	7	13	FOBS=	160.2	SIGMA=	3.3	PHAS=	53.8	FOM=	0.53
INDE	-6	7	14	FOBS=	264.0	SIGMA=	2.1	PHAS=	338.2	FOM=	0.76
INDE	-6	7	15	FOBS=	102.7	SIGMA=	5.3	PHAS=	174.3	FOM=	0.50
INDE	-6	7	16	FOBS=	76.7	SIGMA=	7.1	PHAS=	345.6	FOM=	0.19
INDE	-6	8	1	FOBS=	125.2	SIGMA=	3.2	PHAS=	129.3	FOM=	0.84
INDE	-6	8	2	FOBS=	63.4	SIGMA=	4.4	PHAS=	59.4	FOM=	0.94
INDE	-6	8	3	FOBS=	151.9	SIGMA=	1.9	PHAS=	144.4	FOM=	0.99
INDE	-6	8	4	FOBS=	60.9	SIGMA=	3.8	PHAS=	120.7	FOM=	0.53
INDE	-6	8	5	FOBS=	94.6	SIGMA=	2.5	PHAS=	188.9	FOM=	0.82
INDE	-6	8	6	FOBS=	163.0	SIGMA=	2.1	PHAS=	89.7	FOM=	0.90
INDE	-6	8	7	FOBS=	107.8	SIGMA=	3.1	PHAS=	355.1	FOM=	0.89
INDE	-6	8	8	FOBS=	440.3	SIGMA=	1.4	PHAS=	209.3	FOM=	0.81
INDE	-6	8	9	FOBS=	120.6	SIGMA=	3.1	PHAS=	144.6	FOM=	0.37
INDE	-6	8	10	FOBS=	200.5	SIGMA=	2.0	PHAS=	130.2	FOM=	0.93
INDE	-6	8	11	FOBS=	548.8	SIGMA=	1.3	PHAS=	350.3	FOM=	0.94
INDE	-6	8	12	FOBS=	249.2	SIGMA=	2.1	PHAS=	107.5	FOM=	0.84
INDE	-6	8	13	FOBS=	102.9	SIGMA=	5.1	PHAS=	244.5	FOM=	0.14
INDE	-6	8	14	FOBS=	132.2	SIGMA=	4.2	PHAS=	225.7	FOM=	0.43
INDE	-6	8	15	FOBS=	144.1	SIGMA=	4.0	PHAS=	285.4	FOM=	0.76
INDE	-6	8	16	FOBS=	81.6	SIGMA=	6.8	PHAS=	155.4	FOM=	0.12
INDE	-6	9	1	FOBS=	113.8	SIGMA=	3.4	PHAS=	25.7	FOM=	0.79
INDE	-6	9	2	FOBS=	125.5	SIGMA=	3.0	PHAS=	102.5	FOM=	0.15
INDE	-6	9	3	FOBS=	149.7	SIGMA=	2.5	PHAS=	259.8	FOM=	0.95
INDE	-6	9	4	FOBS=	124.5	SIGMA=	4.2	PHAS=	313.1	FOM=	0.49
INDE	-6	9	5	FOBS=	205.0	SIGMA=	3.0	PHAS=	237.8	FOM=	0.25
INDE	-6	9	6	FOBS=	125.3	SIGMA=	2.5	PHAS=	241.2	FOM=	0.81
INDE	-6	9	7	FOBS=	475.6	SIGMA=	1.0	PHAS=	317.8	FOM=	1.00
INDE	-6	9	8	FOBS=	116.3	SIGMA=	3.3	PHAS=	286.6	FOM=	0.49
INDE	-6	9	9	FOBS=	358.5	SIGMA=	1.4	PHAS=	233.2	FOM=	0.83
INDE	-6	9	10	FOBS=	167.3	SIGMA=	2.3	PHAS=	342.1	FOM=	0.80
INDE	-6	9	11	FOBS=	171.8	SIGMA=	2.9	PHAS=	216.9	FOM=	0.17
INDE	-6	9	12	FOBS=	147.6	SIGMA=	3.5	PHAS=	14.7	FOM=	0.50
INDE	-6	9	13	FOBS=	116.6	SIGMA=	4.7	PHAS=	85.4	FOM=	0.74
INDE	-6	9	14	FOBS=	149.5	SIGMA=	3.6	PHAS=	301.9	FOM=	0.40
INDE	-6	9	15	FOBS=	72.2	SIGMA=	7.3	PHAS=	266.1	FOM=	0.51
INDE	-6	9	16	FOBS=	87.3	SIGMA=	6.2	PHAS=	42.2	FOM=	0.67
INDE	-6	10	1	FOBS=	251.9	SIGMA=	1.6	PHAS=	119.5	FOM=	0.89
INDE	-6	10	2	FOBS=	115.8	SIGMA=	2.8	PHAS=	358.5	FOM=	0.93
INDE	-6	10	3	FOBS=	222.1	SIGMA=	1.5	PHAS=	210.4	FOM=	0.97
INDE	-6	10	4	FOBS=	103.4	SIGMA=	5.1	PHAS=	205.0	FOM=	0.06
INDE	-6	10	5	FOBS=	286.0	SIGMA=	2.1	PHAS=	353.4	FOM=	0.96
INDE	-6	10	6	FOBS=	347.9	SIGMA=	1.7	PHAS=	70.3	FOM=	0.98
INDE	-6	10	7	FOBS=	309.0	SIGMA=	1.4	PHAS=	80.2	FOM=	0.99
INDE	-6	10	8	FOBS=	53.4	SIGMA=	7.2	PHAS=	256.2	FOM=	0.13
INDE	-6	10	9	FOBS=	298.0	SIGMA=	1.5	PHAS=	219.9	FOM=	0.93
INDE	-6	10	10	FOBS=	138.3	SIGMA=	2.9	PHAS=	189.1	FOM=	0.95
INDE	-6	10	11	FOBS=	290.3	SIGMA=	1.8	PHAS=	316.9	FOM=	0.99
INDE	-6	10	12	FOBS=	322.9	SIGMA=	1.8	PHAS=	82.8	FOM=	0.99
INDE	-6	10	13	FOBS=	139.5	SIGMA=	4.1	PHAS=	330.2	FOM=	0.87
INDE	-6	10	14	FOBS=	100.6	SIGMA=	5.3	PHAS=	153.3	FOM=	0.17
INDE	-6	10	15	FOBS=	154.6	SIGMA=	3.9	PHAS=	75.5	FOM=	0.90
INDE	-6	10	16	FOBS=	111.6	SIGMA=	5.0	PHAS=	239.2	FOM=	0.22
INDE	-6	11	1	FOBS=	161.0	SIGMA=	2.3	PHAS=	329.8	FOM=	0.62
INDE	-6	11	2	FOBS=	115.3	SIGMA=	2.9	PHAS=	152.7	FOM=	0.76
INDE	-6	11	3	FOBS=	163.9	SIGMA=	2.6	PHAS=	15.6	FOM=	0.44
INDE	-6	11	4	FOBS=	272.0	SIGMA=	2.2	PHAS=	354.8	FOM=	0.97
INDE	-6	11	5	FOBS=	312.8	SIGMA=	1.9	PHAS=	182.4	FOM=	0.31
INDE	-6	11	6	FOBS=	329.0	SIGMA=	1.9	PHAS=	185.3	FOM=	0.89
INDE	-6	11	7	FOBS=	357.9	SIGMA=	1.5	PHAS=	356.9	FOM=	1.00
INDE	-6	11	8	FOBS=	333.3	SIGMA=	1.2	PHAS=	122.4	FOM=	0.98
INDE	-6	11	9	FOBS=	463.5	SIGMA=	1.2	PHAS=	241.6	FOM=	0.97
INDE	-6	11	10	FOBS=	337.9	SIGMA=	1.5	PHAS=	118.5	FOM=	0.68
INDE	-6	11	11	FOBS=	79.7	SIGMA=	6.1	PHAS=	194.3	FOM=	0.58
INDE	-6	11	12	FOBS=	297.9	SIGMA=	1.9	PHAS=	294.8	FOM=	0.98
INDE	-6	11	13	FOBS=	189.9	SIGMA=	2.7	PHAS=	201.5	FOM=	0.19
INDE	-6	11	14	FOBS=	96.2	SIGMA=	5.6	PHAS=	116.1	FOM=	0.52
INDE	-6	11	15	FOBS=	70.6	SIGMA=	7.4	PHAS=	314.9	FOM=	0.03
INDE	-6	11	16	FOBS=	155.9	SIGMA=	6.4	PHAS=	154.9	FOM=	0.19
INDE	-6	12	1	FOBS=	85.7	SIGMA=	4.3	PHAS=	154.3	FOM=	0.88

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INDE	-6	12	2	FOBS=	171.6	SIGMA=	2.1	PHAS=	140.1	FOM=	0.98
INDE	-6	12	3	FOBS=	163.6	SIGMA=	1.6	PHAS=	316.4	FOM=	0.97
INDE	-6	12	4	FOBS=	338.7	SIGMA=	1.9	PHAS=	203.0	FOM=	0.85
INDE	-6	12	5	FOBS=	361.6	SIGMA=	1.8	PHAS=	191.5	FOM=	0.38
INDE	-6	12	6	FOBS=	296.1	SIGMA=	2.1	PHAS=	318.2	FOM=	0.97
INDE	-6	12	7	FOBS=	349.1	SIGMA=	1.1	PHAS=	200.6	FOM=	0.98
INDE	-6	12	8	FOBS=	547.3	SIGMA=	1.5	PHAS=	279.4	FOM=	0.99
INDE	-6	12	9	FOBS=	127.1	SIGMA=	3.3	PHAS=	36.2	FOM=	0.93
INDE	-6	12	10	FOBS=	232.1	SIGMA=	2.2	PHAS=	48.7	FOM=	1.00
INDE	-6	12	11	FOBS=	207.9	SIGMA=	2.3	PHAS=	333.5	FOM=	0.97
INDE	-6	12	12	FOBS=	198.2	SIGMA=	2.4	PHAS=	201.5	FOM=	0.65
INDE	-6	12	13	FOBS=	82.5	SIGMA=	6.2	PHAS=	105.6	FOM=	0.33
INDE	-6	12	14	FOBS=	108.9	SIGMA=	4.9	PHAS=	189.3	FOM=	0.29
INDE	-6	12	15	FOBS=	49.6	SIGMA=	11.4	PHAS=	143.1	FOM=	0.11
INDE	-6	13	1	FOBS=	195.5	SIGMA=	1.9	PHAS=	28.2	FOM=	0.83
INDE	-6	13	2	FOBS=	202.3	SIGMA=	1.7	PHAS=	355.0	FOM=	0.89
INDE	-6	13	3	FOBS=	178.3	SIGMA=	2.0	PHAS=	190.8	FOM=	0.91
INDE	-6	13	4	FOBS=	148.6	SIGMA=	3.8	PHAS=	49.9	FOM=	0.91
INDE	-6	13	5	FOBS=	179.2	SIGMA=	3.2	PHAS=	154.8	FOM=	0.93
INDE	-6	13	6	FOBS=	351.6	SIGMA=	1.9	PHAS=	82.7	FOM=	0.99
INDE	-6	13	7	FOBS=	331.9	SIGMA=	1.0	PHAS=	284.2	FOM=	0.99
INDE	-6	13	8	FOBS=	290.4	SIGMA=	1.3	PHAS=	98.7	FOM=	0.98
INDE	-6	13	9	FOBS=	125.9	SIGMA=	3.7	PHAS=	228.1	FOM=	0.94
INDE	-6	13	10	FOBS=	107.7	SIGMA=	4.9	PHAS=	216.4	FOM=	0.49
INDE	-6	13	11	FOBS=	184.4	SIGMA=	2.7	PHAS=	354.1	FOM=	0.54
INDE	-6	13	12	FOBS=	220.1	SIGMA=	2.2	PHAS=	260.3	FOM=	0.96
INDE	-6	13	13	FOBS=	139.9	SIGMA=	3.9	PHAS=	196.8	FOM=	0.92
INDE	-6	13	14	FOBS=	46.1	SIGMA=	12.4	PHAS=	325.3	FOM=	0.38
INDE	-6	13	15	FOBS=	182.5	SIGMA=	2.9	PHAS=	139.4	FOM=	0.20
INDE	-6	14	1	FOBS=	87.9	SIGMA=	4.3	PHAS=	72.3	FOM=	0.59
INDE	-6	14	2	FOBS=	91.6	SIGMA=	4.0	PHAS=	174.8	FOM=	0.94
INDE	-6	14	3	FOBS=	234.0	SIGMA=	1.7	PHAS=	251.3	FOM=	0.99
INDE	-6	14	4	FOBS=	80.8	SIGMA=	3.8	PHAS=	183.2	FOM=	0.41
INDE	-6	14	5	FOBS=	134.5	SIGMA=	3.9	PHAS=	276.9	FOM=	0.94
INDE	-6	14	6	FOBS=	332.1	SIGMA=	2.0	PHAS=	260.3	FOM=	0.96
INDE	-6	14	7	FOBS=	124.6	SIGMA=	2.4	PHAS=	253.6	FOM=	0.96
INDE	-6	14	8	FOBS=	125.6	SIGMA=	2.8	PHAS=	159.6	FOM=	0.89
INDE	-6	14	9	FOBS=	159.0	SIGMA=	2.7	PHAS=	219.7	FOM=	0.66
INDE	-6	14	10	FOBS=	54.4	SIGMA=	8.9	PHAS=	171.1	FOM=	0.19
INDE	-6	14	11	FOBS=	154.4	SIGMA=	3.6	PHAS=	141.0	FOM=	0.72
INDE	-6	14	12	FOBS=	146.2	SIGMA=	3.8	PHAS=	206.3	FOM=	0.44
INDE	-6	14	13	FOBS=	118.8	SIGMA=	4.2	PHAS=	194.4	FOM=	0.30
INDE	-6	14	14	FOBS=	76.5	SIGMA=	6.8	PHAS=	308.3	FOM=	0.99
INDE	-6	14	15	FOBS=	125.7	SIGMA=	4.3	PHAS=	205.5	FOM=	0.80
INDE	-6	15	1	FOBS=	514.2	SIGMA=	1.1	PHAS=	296.5	FOM=	1.00
INDE	-6	15	2	FOBS=	338.0	SIGMA=	1.2	PHAS=	165.4	FOM=	0.87
INDE	-6	15	3	FOBS=	411.7	SIGMA=	1.2	PHAS=	166.5	FOM=	0.97
INDE	-6	15	4	FOBS=	128.3	SIGMA=	2.2	PHAS=	86.4	FOM=	1.00
INDE	-6	15	5	FOBS=	427.0	SIGMA=	1.8	PHAS=	184.1	FOM=	0.97
INDE	-6	15	6	FOBS=	162.8	SIGMA=	3.4	PHAS=	119.0	FOM=	0.75
INDE	-6	15	7	FOBS=	428.1	SIGMA=	1.0	PHAS=	306.2	FOM=	0.75
INDE	-6	15	8	FOBS=	133.0	SIGMA=	2.5	PHAS=	29.5	FOM=	0.53
INDE	-6	15	9	FOBS=	159.7	SIGMA=	2.6	PHAS=	303.2	FOM=	0.86
INDE	-6	15	10	FOBS=	300.8	SIGMA=	2.0	PHAS=	140.2	FOM=	0.93
INDE	-6	15	11	FOBS=	144.5	SIGMA=	3.4	PHAS=	45.4	FOM=	0.14
INDE	-6	15	12	FOBS=	86.8	SIGMA=	7.4	PHAS=	73.3	FOM=	0.29
INDE	-6	15	13	FOBS=	124.8	SIGMA=	4.5	PHAS=	301.4	FOM=	0.82
INDE	-6	15	14	FOBS=	90.1	SIGMA=	5.8	PHAS=	132.8	FOM=	0.52
INDE	-6	15	15	FOBS=	90.5	SIGMA=	5.5	PHAS=	161.2	FOM=	0.03
INDE	-6	16	1	FOBS=	132.8	SIGMA=	3.0	PHAS=	102.3	FOM=	0.82
INDE	-6	16	2	FOBS=	505.6	SIGMA=	1.3	PHAS=	191.9	FOM=	0.96
INDE	-6	16	3	FOBS=	526.8	SIGMA=	1.1	PHAS=	312.5	FOM=	0.95
INDE	-6	16	4	FOBS=	493.4	SIGMA=	0.8	PHAS=	97.7	FOM=	0.98
INDE	-6	16	5	FOBS=	336.7	SIGMA=	1.6	PHAS=	279.6	FOM=	0.97
INDE	-6	16	6	FOBS=	178.8	SIGMA=	3.2	PHAS=	24.7	FOM=	0.28
INDE	-6	16	7	FOBS=	188.1	SIGMA=	1.7	PHAS=	151.6	FOM=	0.78
INDE	-6	16	8	FOBS=	205.5	SIGMA=	1.9	PHAS=	341.3	FOM=	0.91
INDE	-6	16	9	FOBS=	162.7	SIGMA=	2.6	PHAS=	88.7	FOM=	0.81
INDE	-6	16	10	FOBS=	287.2	SIGMA=	2.1	PHAS=	9.9	FOM=	0.91
INDE	-6	16	11	FOBS=	137.0	SIGMA=	3.4	PHAS=	107.2	FOM=	0.48
INDE	-6	16	12	FOBS=	202.0	SIGMA=	2.6	PHAS=	352.0	FOM=	0.62

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INDE	-6	16	13	FOBS=	143.3	SIGMA=	4.2	PHAS=	133.7	FOM=	0.51
INDE	-6	16	14	FOBS=	159.9	SIGMA=	3.2	PHAS=	119.1	FOM=	0.64
INDE	-6	17	1	FOBS=	297.2	SIGMA=	1.5	PHAS=	60.3	FOM=	0.92
INDE	-6	17	2	FOBS=	288.9	SIGMA=	1.5	PHAS=	245.8	FOM=	0.95
INDE	-6	17	3	FOBS=	131.3	SIGMA=	2.7	PHAS=	112.4	FOM=	0.34
INDE	-6	17	4	FOBS=	101.1	SIGMA=	3.3	PHAS=	72.4	FOM=	0.88
INDE	-6	17	5	FOBS=	93.5	SIGMA=	3.0	PHAS=	344.9	FOM=	0.90
INDE	-6	17	6	FOBS=	252.6	SIGMA=	2.5	PHAS=	0.0	FOM=	0.80
INDE	-6	17	7	FOBS=	69.9	SIGMA=	4.6	PHAS=	150.1	FOM=	0.76
INDE	-6	17	8	FOBS=	414.5	SIGMA=	1.3	PHAS=	179.2	FOM=	0.77
INDE	-6	17	9	FOBS=	252.2	SIGMA=	1.8	PHAS=	343.7	FOM=	0.95
INDE	-6	17	10	FOBS=	250.6	SIGMA=	2.0	PHAS=	118.5	FOM=	0.79
INDE	-6	17	11	FOBS=	100.9	SIGMA=	4.4	PHAS=	346.1	FOM=	0.27
INDE	-6	17	12	FOBS=	96.0	SIGMA=	4.6	PHAS=	97.3	FOM=	0.39
INDE	-6	17	13	FOBS=	105.9	SIGMA=	5.0	PHAS=	299.8	FOM=	0.80
INDE	-6	17	14	FOBS=	43.1	SIGMA=	20.3	PHAS=	184.9	FOM=	0.12
INDE	-6	18	1	FOBS=	195.9	SIGMA=	2.2	PHAS=	324.1	FOM=	0.79
INDE	-6	18	2	FOBS=	333.9	SIGMA=	1.5	PHAS=	90.6	FOM=	0.98
INDE	-6	18	3	FOBS=	293.0	SIGMA=	1.4	PHAS=	6.9	FOM=	0.97
INDE	-6	18	4	FOBS=	251.7	SIGMA=	1.4	PHAS=	340.3	FOM=	0.99
INDE	-6	18	5	FOBS=	466.0	SIGMA=	1.1	PHAS=	195.0	FOM=	1.00
INDE	-6	18	6	FOBS=	288.8	SIGMA=	1.7	PHAS=	241.9	FOM=	0.97
INDE	-6	18	7	FOBS=	559.9	SIGMA=	1.9	PHAS=	180.1	FOM=	0.89
INDE	-6	18	8	FOBS=	328.8	SIGMA=	1.4	PHAS=	353.8	FOM=	0.99
INDE	-6	18	9	FOBS=	109.7	SIGMA=	4.0	PHAS=	175.6	FOM=	0.16
INDE	-6	18	10	FOBS=	152.5	SIGMA=	3.1	PHAS=	68.6	FOM=	0.87
INDE	-6	18	11	FOBS=	91.7	SIGMA=	4.9	PHAS=	198.6	FOM=	0.08
INDE	-6	18	12	FOBS=	213.5	SIGMA=	2.1	PHAS=	207.1	FOM=	0.97
INDE	-6	18	13	FOBS=	133.3	SIGMA=	3.6	PHAS=	294.8	FOM=	0.81
INDE	-6	18	14	FOBS=	69.4	SIGMA=	7.6	PHAS=	290.2	FOM=	0.06
INDE	-6	19	1	FOBS=	255.7	SIGMA=	1.8	PHAS=	4.6	FOM=	0.94
INDE	-6	19	2	FOBS=	304.4	SIGMA=	1.8	PHAS=	134.7	FOM=	0.82
INDE	-6	19	3	FOBS=	175.7	SIGMA=	2.1	PHAS=	36.8	FOM=	0.36
INDE	-6	19	4	FOBS=	159.0	SIGMA=	2.1	PHAS=	194.4	FOM=	0.95
INDE	-6	19	5	FOBS=	132.1	SIGMA=	2.4	PHAS=	124.3	FOM=	0.70
INDE	-6	19	6	FOBS=	219.7	SIGMA=	2.1	PHAS=	207.1	FOM=	0.96
INDE	-6	19	7	FOBS=	229.0	SIGMA=	1.9	PHAS=	312.0	FOM=	0.72
INDE	-6	19	8	FOBS=	415.7	SIGMA=	1.3	PHAS=	217.4	FOM=	0.99
INDE	-6	19	9	FOBS=	296.0	SIGMA=	1.6	PHAS=	158.0	FOM=	0.97
INDE	-6	19	10	FOBS=	136.2	SIGMA=	3.4	PHAS=	16.9	FOM=	0.04
INDE	-6	19	11	FOBS=	129.3	SIGMA=	4.2	PHAS=	69.9	FOM=	0.75
INDE	-6	19	12	FOBS=	107.2	SIGMA=	4.3	PHAS=	192.7	FOM=	0.39
INDE	-6	19	13	FOBS=	115.9	SIGMA=	4.1	PHAS=	291.6	FOM=	0.26
INDE	-6	20	1	FOBS=	235.8	SIGMA=	2.1	PHAS=	300.2	FOM=	0.93
INDE	-6	20	2	FOBS=	423.2	SIGMA=	1.8	PHAS=	175.6	FOM=	0.99
INDE	-6	20	3	FOBS=	249.6	SIGMA=	1.9	PHAS=	350.1	FOM=	0.98
INDE	-6	20	4	FOBS=	278.7	SIGMA=	1.5	PHAS=	77.5	FOM=	0.96
INDE	-6	20	5	FOBS=	227.6	SIGMA=	1.6	PHAS=	340.3	FOM=	0.71
INDE	-6	20	6	FOBS=	188.2	SIGMA=	2.5	PHAS=	329.9	FOM=	0.83
INDE	-6	20	7	FOBS=	308.9	SIGMA=	1.3	PHAS=	303.5	FOM=	0.96
INDE	-6	20	8	FOBS=	122.0	SIGMA=	3.5	PHAS=	230.5	FOM=	0.83
INDE	-6	20	9	FOBS=	45.8	SIGMA=	8.8	PHAS=	230.8	FOM=	0.30
INDE	-6	20	10	FOBS=	87.0	SIGMA=	5.5	PHAS=	90.7	FOM=	0.83
INDE	-6	20	11	FOBS=	170.8	SIGMA=	2.9	PHAS=	201.8	FOM=	0.73
INDE	-6	20	12	FOBS=	143.6	SIGMA=	3.3	PHAS=	144.5	FOM=	0.56
INDE	-6	20	13	FOBS=	223.8	SIGMA=	2.1	PHAS=	308.3	FOM=	0.84
INDE	-6	21	1	FOBS=	167.3	SIGMA=	2.8	PHAS=	102.6	FOM=	0.11
INDE	-6	21	2	FOBS=	238.4	SIGMA=	2.0	PHAS=	86.8	FOM=	0.26
INDE	-6	21	3	FOBS=	509.5	SIGMA=	1.2	PHAS=	117.8	FOM=	0.98
INDE	-6	21	4	FOBS=	157.6	SIGMA=	2.5	PHAS=	323.4	FOM=	0.87
INDE	-6	21	5	FOBS=	109.3	SIGMA=	3.4	PHAS=	257.7	FOM=	0.87
INDE	-6	21	6	FOBS=	133.8	SIGMA=	3.4	PHAS=	298.1	FOM=	0.92
INDE	-6	21	7	FOBS=	102.6	SIGMA=	3.5	PHAS=	279.0	FOM=	0.51
INDE	-6	21	8	FOBS=	168.3	SIGMA=	2.7	PHAS=	164.5	FOM=	0.93
INDE	-6	21	9	FOBS=	157.2	SIGMA=	2.7	PHAS=	277.7	FOM=	0.80
INDE	-6	21	10	FOBS=	60.8	SIGMA=	6.7	PHAS=	72.7	FOM=	0.06
INDE	-6	21	11	FOBS=	113.4	SIGMA=	4.8	PHAS=	200.8	FOM=	0.78
INDE	-6	21	12	FOBS=	165.2	SIGMA=	3.0	PHAS=	105.8	FOM=	0.73
INDE	-6	21	13	FOBS=	73.0	SIGMA=	20.9	PHAS=	128.6	FOM=	0.06
INDE	-6	22	1	FOBS=	74.9	SIGMA=	5.9	PHAS=	81.2	FOM=	0.40
INDE	-6	22	2	FOBS=	133.7	SIGMA=	3.7	PHAS=	101.6	FOM=	0.93

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INDE	-6	22	3	FOBS=	253.2	SIGMA=	1.8	PHAS=	297.2	FOM=	0.97
INDE	-6	22	4	FOBS=	66.4	SIGMA=	5.3	PHAS=	102.1	FOM=	0.56
INDE	-6	22	5	FOBS=	167.7	SIGMA=	2.3	PHAS=	355.5	FOM=	0.89
INDE	-6	22	6	FOBS=	145.1	SIGMA=	3.4	PHAS=	266.1	FOM=	0.80
INDE	-6	22	7	FOBS=	121.3	SIGMA=	3.1	PHAS=	264.2	FOM=	0.94
INDE	-6	22	8	FOBS=	301.0	SIGMA=	1.7	PHAS=	28.9	FOM=	0.99
INDE	-6	22	9	FOBS=	209.1	SIGMA=	2.1	PHAS=	200.4	FOM=	0.82
INDE	-6	22	10	FOBS=	69.9	SIGMA=	6.1	PHAS=	186.8	FOM=	0.51
INDE	-6	22	11	FOBS=	177.8	SIGMA=	2.4	PHAS=	195.5	FOM=	0.85
INDE	-6	22	12	FOBS=	151.5	SIGMA=	3.4	PHAS=	170.5	FOM=	0.21
INDE	-6	23	1	FOBS=	208.0	SIGMA=	2.7	PHAS=	213.4	FOM=	0.99
INDE	-6	23	2	FOBS=	226.6	SIGMA=	2.1	PHAS=	240.7	FOM=	0.14
INDE	-6	23	3	FOBS=	227.1	SIGMA=	2.1	PHAS=	217.2	FOM=	1.00
INDE	-6	23	4	FOBS=	295.3	SIGMA=	1.5	PHAS=	48.4	FOM=	1.00
INDE	-6	23	5	FOBS=	183.7	SIGMA=	2.3	PHAS=	295.2	FOM=	0.89
INDE	-6	23	6	FOBS=	48.6	SIGMA=	8.6	PHAS=	105.8	FOM=	0.15
INDE	-6	23	7	FOBS=	256.8	SIGMA=	1.5	PHAS=	274.4	FOM=	0.94
INDE	-6	23	8	FOBS=	149.9	SIGMA=	2.7	PHAS=	266.7	FOM=	0.82
INDE	-6	23	9	FOBS=	162.0	SIGMA=	2.7	PHAS=	253.0	FOM=	0.90
INDE	-6	23	10	FOBS=	163.7	SIGMA=	2.6	PHAS=	314.2	FOM=	0.80
INDE	-6	23	11	FOBS=	49.8	SIGMA=	8.5	PHAS=	247.0	FOM=	0.09
INDE	-6	23	12	FOBS=	198.1	SIGMA=	7.0	PHAS=	259.0	FOM=	0.10
INDE	-6	24	1	FOBS=	148.6	SIGMA=	3.8	PHAS=	326.7	FOM=	0.37
INDE	-6	24	2	FOBS=	258.7	SIGMA=	1.8	PHAS=	128.2	FOM=	0.97
INDE	-6	24	3	FOBS=	181.9	SIGMA=	2.6	PHAS=	39.9	FOM=	0.72
INDE	-6	24	4	FOBS=	137.2	SIGMA=	3.0	PHAS=	197.3	FOM=	0.11
INDE	-6	24	5	FOBS=	166.9	SIGMA=	2.4	PHAS=	300.0	FOM=	0.94
INDE	-6	24	6	FOBS=	156.4	SIGMA=	2.5	PHAS=	262.4	FOM=	0.92
INDE	-6	24	7	FOBS=	194.8	SIGMA=	2.0	PHAS=	190.1	FOM=	0.93
INDE	-6	24	8	FOBS=	390.9	SIGMA=	1.3	PHAS=	156.8	FOM=	0.98
INDE	-6	24	9	FOBS=	167.3	SIGMA=	2.7	PHAS=	126.2	FOM=	0.50
INDE	-6	24	10	FOBS=	127.6	SIGMA=	3.1	PHAS=	319.0	FOM=	0.63
INDE	-6	24	11	FOBS=	183.8	SIGMA=	2.3	PHAS=	290.6	FOM=	0.79
INDE	-6	25	1	FOBS=	266.9	SIGMA=	1.9	PHAS=	124.4	FOM=	0.97
INDE	-6	25	2	FOBS=	206.3	SIGMA=	2.1	PHAS=	351.1	FOM=	0.81
INDE	-6	25	3	FOBS=	86.7	SIGMA=	5.1	PHAS=	318.1	FOM=	0.73
INDE	-6	25	4	FOBS=	58.3	SIGMA=	7.7	PHAS=	154.0	FOM=	0.76
INDE	-6	25	5	FOBS=	70.9	SIGMA=	6.3	PHAS=	222.1	FOM=	0.61
INDE	-6	25	6	FOBS=	244.7	SIGMA=	1.7	PHAS=	335.6	FOM=	0.95
INDE	-6	25	7	FOBS=	200.0	SIGMA=	2.2	PHAS=	260.4	FOM=	0.91
INDE	-6	25	8	FOBS=	78.1	SIGMA=	4.7	PHAS=	341.5	FOM=	0.76
INDE	-6	25	9	FOBS=	50.4	SIGMA=	8.5	PHAS=	100.6	FOM=	0.31
INDE	-6	25	10	FOBS=	139.3	SIGMA=	3.0	PHAS=	211.0	FOM=	0.70
INDE	-6	26	1	FOBS=	299.1	SIGMA=	1.7	PHAS=	280.4	FOM=	0.94
INDE	-6	26	2	FOBS=	135.8	SIGMA=	3.2	PHAS=	221.9	FOM=	0.58
INDE	-6	26	3	FOBS=	176.0	SIGMA=	2.4	PHAS=	12.1	FOM=	0.82
INDE	-6	26	4	FOBS=	161.4	SIGMA=	2.4	PHAS=	11.8	FOM=	0.69
INDE	-6	26	5	FOBS=	51.3	SIGMA=	9.0	PHAS=	305.9	FOM=	0.33
INDE	-6	26	6	FOBS=	123.9	SIGMA=	3.1	PHAS=	345.2	FOM=	0.64
INDE	-6	26	7	FOBS=	150.8	SIGMA=	2.9	PHAS=	100.6	FOM=	0.86
INDE	-6	26	8	FOBS=	184.3	SIGMA=	2.1	PHAS=	73.0	FOM=	0.79
INDE	-6	26	9	FOBS=	193.6	SIGMA=	2.0	PHAS=	273.0	FOM=	0.92
INDE	-6	26	10	FOBS=	79.5	SIGMA=	6.3	PHAS=	224.4	FOM=	0.75
INDE	-6	27	1	FOBS=	164.0	SIGMA=	2.8	PHAS=	103.9	FOM=	0.41
INDE	-6	27	2	FOBS=	45.8	SIGMA=	10.5	PHAS=	205.6	FOM=	0.12
INDE	-6	27	3	FOBS=	336.8	SIGMA=	1.4	PHAS=	272.3	FOM=	0.25
INDE	-6	27	4	FOBS=	212.2	SIGMA=	1.9	PHAS=	345.1	FOM=	0.70
INDE	-6	27	5	FOBS=	286.0	SIGMA=	1.7	PHAS=	241.8	FOM=	0.95
INDE	-6	27	6	FOBS=	159.3	SIGMA=	3.0	PHAS=	91.4	FOM=	0.87
INDE	-6	27	7	FOBS=	308.4	SIGMA=	1.9	PHAS=	206.1	FOM=	0.92
INDE	-6	27	8	FOBS=	178.2	SIGMA=	2.3	PHAS=	337.5	FOM=	1.00
INDE	-6	27	9	FOBS=	27.8	SIGMA=	11.9	PHAS=	161.5	FOM=	0.34
INDE	-6	28	1	FOBS=	151.8	SIGMA=	3.0	PHAS=	136.4	FOM=	0.12
INDE	-6	28	2	FOBS=	88.0	SIGMA=	4.7	PHAS=	274.7	FOM=	0.70
INDE	-6	28	3	FOBS=	105.9	SIGMA=	3.8	PHAS=	91.9	FOM=	0.83
INDE	-6	28	4	FOBS=	185.9	SIGMA=	2.1	PHAS=	173.6	FOM=	0.59
INDE	-6	28	5	FOBS=	159.1	SIGMA=	2.8	PHAS=	262.8	FOM=	0.82
INDE	-6	28	6	FOBS=	230.8	SIGMA=	2.0	PHAS=	166.2	FOM=	0.86
INDE	-6	28	7	FOBS=	140.9	SIGMA=	4.2	PHAS=	1.1	FOM=	0.16
INDE	-6	28	8	FOBS=	168.2	SIGMA=	2.2	PHAS=	125.1	FOM=	0.24
INDE	-6	29	1	FOBS=	88.2	SIGMA=	5.0	PHAS=	193.4	FOM=	0.48

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INDE	-6	29	2	FOBS=	95.9	SIGMA=	4.4	PHAS=	311.6	FOM=	0.41
INDE	-6	29	3	FOBS=	158.5	SIGMA=	2.6	PHAS=	30.9	FOM=	0.95
INDE	-6	29	4	FOBS=	60.4	SIGMA=	6.7	PHAS=	197.9	FOM=	0.28
INDE	-6	29	5	FOBS=	137.0	SIGMA=	3.2	PHAS=	264.2	FOM=	0.30
INDE	-6	29	6	FOBS=	56.3	SIGMA=	6.2	PHAS=	335.5	FOM=	0.07
INDE	-6	29	7	FOBS=	40.7	SIGMA=	13.6	PHAS=	146.0	FOM=	0.13
INDE	-6	30	1	FOBS=	263.4	SIGMA=	1.8	PHAS=	220.7	FOM=	0.91
INDE	-6	30	2	FOBS=	76.6	SIGMA=	5.3	PHAS=	44.2	FOM=	0.30
INDE	-6	30	3	FOBS=	59.2	SIGMA=	6.3	PHAS=	182.7	FOM=	0.24
INDE	-6	30	4	FOBS=	230.8	SIGMA=	1.8	PHAS=	241.1	FOM=	0.93
INDE	-6	30	5	FOBS=	160.0	SIGMA=	2.8	PHAS=	13.3	FOM=	0.50
INDE	-6	30	6	FOBS=	63.8	SIGMA=	10.4	PHAS=	65.8	FOM=	0.09
INDE	-6	31	1	FOBS=	118.4	SIGMA=	3.8	PHAS=	335.1	FOM=	0.68
INDE	-6	31	2	FOBS=	74.3	SIGMA=	5.7	PHAS=	85.6	FOM=	0.15
INDE	-6	31	3	FOBS=	37.7	SIGMA=	12.2	PHAS=	141.7	FOM=	0.08
INDE	-6	31	4	FOBS=	95.6	SIGMA=	6.7	PHAS=	346.6	FOM=	0.43
INDE	-5	0	1	FOBS=	350.4	SIGMA=	1.6	PHAS=	0.0	FOM=	0.99
INDE	-5	0	2	FOBS=	687.2	SIGMA=	1.2	PHAS=	0.0	FOM=	0.37
INDE	-5	0	3	FOBS=	359.6	SIGMA=	1.7	PHAS=	0.0	FOM=	0.78
INDE	-5	0	4	FOBS=	131.4	SIGMA=	2.8	PHAS=	0.0	FOM=	1.00
INDE	-5	0	5	FOBS=	534.9	SIGMA=	1.3	PHAS=	180.0	FOM=	0.22
INDE	-5	0	6	FOBS=	32.1	SIGMA=	8.3	PHAS=	0.0	FOM=	0.42
INDE	-5	0	7	FOBS=	42.8	SIGMA=	11.2	PHAS=	180.0	FOM=	0.01
INDE	-5	0	8	FOBS=	278.7	SIGMA=	1.9	PHAS=	0.0	FOM=	1.00
INDE	-5	0	9	FOBS=	203.5	SIGMA=	2.6	PHAS=	0.0	FOM=	1.00
INDE	-5	0	10	FOBS=	313.2	SIGMA=	2.1	PHAS=	180.0	FOM=	0.13
INDE	-5	0	11	FOBS=	102.3	SIGMA=	6.1	PHAS=	0.0	FOM=	0.90
INDE	-5	0	12	FOBS=	287.4	SIGMA=	2.6	PHAS=	180.0	FOM=	1.00
INDE	-5	0	13	FOBS=	92.8	SIGMA=	8.6	PHAS=	180.0	FOM=	0.10
INDE	-5	0	14	FOBS=	182.3	SIGMA=	4.5	PHAS=	0.0	FOM=	0.00
INDE	-5	0	15	FOBS=	79.1	SIGMA=	10.6	PHAS=	180.0	FOM=	0.01
INDE	-5	0	16	FOBS=	218.6	SIGMA=	3.8	PHAS=	180.0	FOM=	0.05
INDE	-5	1	1	FOBS=	198.7	SIGMA=	2.2	PHAS=	194.3	FOM=	1.00
INDE	-5	1	2	FOBS=	452.7	SIGMA=	1.2	PHAS=	277.1	FOM=	0.98
INDE	-5	1	3	FOBS=	586.1	SIGMA=	0.8	PHAS=	69.3	FOM=	0.98
INDE	-5	1	4	FOBS=	97.6	SIGMA=	2.9	PHAS=	41.8	FOM=	0.92
INDE	-5	1	5	FOBS=	95.0	SIGMA=	2.7	PHAS=	286.4	FOM=	0.80
INDE	-5	1	6	FOBS=	58.4	SIGMA=	4.5	PHAS=	347.3	FOM=	0.90
INDE	-5	1	7	FOBS=	43.8	SIGMA=	7.5	PHAS=	127.8	FOM=	0.73
INDE	-5	1	8	FOBS=	181.8	SIGMA=	1.8	PHAS=	36.2	FOM=	0.96
INDE	-5	1	9	FOBS=	117.0	SIGMA=	3.2	PHAS=	232.2	FOM=	0.88
INDE	-5	1	10	FOBS=	351.6	SIGMA=	1.4	PHAS=	88.5	FOM=	0.99
INDE	-5	1	11	FOBS=	434.4	SIGMA=	1.3	PHAS=	280.4	FOM=	0.99
INDE	-5	1	12	FOBS=	183.2	SIGMA=	2.9	PHAS=	353.4	FOM=	0.83
INDE	-5	1	13	FOBS=	302.2	SIGMA=	2.0	PHAS=	254.1	FOM=	0.92
INDE	-5	1	14	FOBS=	91.5	SIGMA=	6.8	PHAS=	302.8	FOM=	0.67
INDE	-5	1	15	FOBS=	185.4	SIGMA=	3.3	PHAS=	112.8	FOM=	0.94
INDE	-5	1	16	FOBS=	70.5	SIGMA=	8.4	PHAS=	242.1	FOM=	0.26
INDE	-5	1	17	FOBS=	39.8	SIGMA=	15.8	PHAS=	158.9	FOM=	0.08
INDE	-5	2	1	FOBS=	464.4	SIGMA=	1.5	PHAS=	15.7	FOM=	0.98
INDE	-5	2	2	FOBS=	377.6	SIGMA=	1.0	PHAS=	354.1	FOM=	0.98
INDE	-5	2	3	FOBS=	479.0	SIGMA=	1.0	PHAS=	86.6	FOM=	0.86
INDE	-5	2	4	FOBS=	424.9	SIGMA=	0.9	PHAS=	181.2	FOM=	1.00
INDE	-5	2	5	FOBS=	472.1	SIGMA=	0.9	PHAS=	42.5	FOM=	0.98
INDE	-5	2	6	FOBS=	252.5	SIGMA=	1.1	PHAS=	244.0	FOM=	0.92
INDE	-5	2	7	FOBS=	44.4	SIGMA=	6.9	PHAS=	334.2	FOM=	0.26
INDE	-5	2	8	FOBS=	78.3	SIGMA=	4.2	PHAS=	210.4	FOM=	0.35
INDE	-5	2	9	FOBS=	332.5	SIGMA=	1.4	PHAS=	158.2	FOM=	0.76
INDE	-5	2	10	FOBS=	59.0	SIGMA=	6.9	PHAS=	186.4	FOM=	0.14
INDE	-5	2	11	FOBS=	351.8	SIGMA=	1.4	PHAS=	116.3	FOM=	0.73
INDE	-5	2	12	FOBS=	355.0	SIGMA=	1.6	PHAS=	254.5	FOM=	0.86
INDE	-5	2	13	FOBS=	418.3	SIGMA=	1.6	PHAS=	87.4	FOM=	0.98
INDE	-5	2	14	FOBS=	240.5	SIGMA=	2.4	PHAS=	280.6	FOM=	0.95
INDE	-5	2	15	FOBS=	183.2	SIGMA=	3.2	PHAS=	137.2	FOM=	0.11
INDE	-5	2	16	FOBS=	93.3	SIGMA=	6.6	PHAS=	181.3	FOM=	0.37
INDE	-5	2	17	FOBS=	87.3	SIGMA=	55.1	PHAS=	14.3	FOM=	0.09
INDE	-5	3	1	FOBS=	246.9	SIGMA=	1.4	PHAS=	245.5	FOM=	1.00
INDE	-5	3	2	FOBS=	370.1	SIGMA=	1.1	PHAS=	144.1	FOM=	1.00
INDE	-5	3	3	FOBS=	837.2	SIGMA=	0.8	PHAS=	326.5	FOM=	0.92
INDE	-5	3	4	FOBS=	829.5	SIGMA=	0.9	PHAS=	30.4	FOM=	0.99
INDE	-5	3	5	FOBS=	29.1	SIGMA=	10.6	PHAS=	195.4	FOM=	0.54

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INDE	-5	3	6	FOBS=	171.5	SIGMA=	1.8	PHAS=	36.8	FOM=	1.00
INDE	-5	3	7	FOBS=	148.8	SIGMA=	1.9	PHAS=	103.3	FOM=	0.96
INDE	-5	3	8	FOBS=	201.2	SIGMA=	1.7	PHAS=	300.8	FOM=	0.69
INDE	-5	3	9	FOBS=	326.4	SIGMA=	1.3	PHAS=	130.7	FOM=	0.12
INDE	-5	3	10	FOBS=	74.1	SIGMA=	5.5	PHAS=	184.9	FOM=	0.03
INDE	-5	3	11	FOBS=	201.0	SIGMA=	2.3	PHAS=	34.2	FOM=	0.90
INDE	-5	3	12	FOBS=	438.8	SIGMA=	1.4	PHAS=	238.3	FOM=	0.98
INDE	-5	3	13	FOBS=	170.7	SIGMA=	3.3	PHAS=	172.4	FOM=	0.11
INDE	-5	3	14	FOBS=	265.3	SIGMA=	2.2	PHAS=	276.6	FOM=	0.92
INDE	-5	3	15	FOBS=	197.5	SIGMA=	3.1	PHAS=	115.8	FOM=	0.89
INDE	-5	3	16	FOBS=	49.1	SIGMA=	26.6	PHAS=	355.7	FOM=	0.07
INDE	-5	3	17	FOBS=	64.2	SIGMA=	11.1	PHAS=	6.2	FOM=	0.06
INDE	-5	4	1	FOBS=	220.9	SIGMA=	1.5	PHAS=	160.5	FOM=	0.86
INDE	-5	4	2	FOBS=	318.0	SIGMA=	1.2	PHAS=	18.7	FOM=	0.99
INDE	-5	4	3	FOBS=	393.6	SIGMA=	1.0	PHAS=	323.7	FOM=	1.00
INDE	-5	4	4	FOBS=	102.7	SIGMA=	3.1	PHAS=	129.0	FOM=	0.95
INDE	-5	4	5	FOBS=	172.4	SIGMA=	1.7	PHAS=	27.9	FOM=	0.99
INDE	-5	4	6	FOBS=	205.7	SIGMA=	1.5	PHAS=	308.8	FOM=	0.89
INDE	-5	4	7	FOBS=	170.0	SIGMA=	1.7	PHAS=	10.5	FOM=	0.69
INDE	-5	4	8	FOBS=	446.2	SIGMA=	1.2	PHAS=	223.8	FOM=	0.99
INDE	-5	4	9	FOBS=	275.9	SIGMA=	1.5	PHAS=	114.3	FOM=	0.90
INDE	-5	4	10	FOBS=	69.5	SIGMA=	5.9	PHAS=	189.9	FOM=	0.18
INDE	-5	4	11	FOBS=	564.5	SIGMA=	1.1	PHAS=	171.7	FOM=	0.98
INDE	-5	4	12	FOBS=	263.6	SIGMA=	2.0	PHAS=	112.3	FOM=	0.92
INDE	-5	4	13	FOBS=	209.3	SIGMA=	2.6	PHAS=	335.0	FOM=	0.89
INDE	-5	4	14	FOBS=	90.7	SIGMA=	6.4	PHAS=	29.5	FOM=	0.13
INDE	-5	4	15	FOBS=	67.1	SIGMA=	8.8	PHAS=	132.4	FOM=	0.06
INDE	-5	4	16	FOBS=	130.7	SIGMA=	4.7	PHAS=	208.1	FOM=	0.49
INDE	-5	4	17	FOBS=	91.5	SIGMA=	12.4	PHAS=	67.8	FOM=	0.04
INDE	-5	5	1	FOBS=	324.1	SIGMA=	1.2	PHAS=	67.5	FOM=	0.93
INDE	-5	5	2	FOBS=	309.5	SIGMA=	1.1	PHAS=	242.9	FOM=	0.96
INDE	-5	5	3	FOBS=	246.0	SIGMA=	1.3	PHAS=	249.6	FOM=	0.95
INDE	-5	5	4	FOBS=	81.3	SIGMA=	2.5	PHAS=	329.5	FOM=	0.60
INDE	-5	5	5	FOBS=	145.1	SIGMA=	1.9	PHAS=	144.8	FOM=	1.00
INDE	-5	5	6	FOBS=	159.3	SIGMA=	1.9	PHAS=	156.9	FOM=	0.98
INDE	-5	5	7	FOBS=	191.1	SIGMA=	1.6	PHAS=	78.3	FOM=	0.95
INDE	-5	5	8	FOBS=	148.9	SIGMA=	2.3	PHAS=	302.1	FOM=	0.78
INDE	-5	5	9	FOBS=	240.6	SIGMA=	1.7	PHAS=	108.5	FOM=	0.79
INDE	-5	5	10	FOBS=	181.6	SIGMA=	2.3	PHAS=	298.7	FOM=	0.68
INDE	-5	5	11	FOBS=	152.6	SIGMA=	3.0	PHAS=	141.6	FOM=	0.25
INDE	-5	5	12	FOBS=	144.6	SIGMA=	3.8	PHAS=	341.3	FOM=	0.58
INDE	-5	5	13	FOBS=	154.2	SIGMA=	3.8	PHAS=	51.2	FOM=	0.42
INDE	-5	5	14	FOBS=	134.3	SIGMA=	4.4	PHAS=	98.4	FOM=	0.16
INDE	-5	5	15	FOBS=	226.6	SIGMA=	2.5	PHAS=	217.5	FOM=	0.72
INDE	-5	5	16	FOBS=	128.5	SIGMA=	4.8	PHAS=	144.0	FOM=	0.16
INDE	-5	6	1	FOBS=	211.8	SIGMA=	1.8	PHAS=	317.6	FOM=	0.95
INDE	-5	6	2	FOBS=	227.6	SIGMA=	1.3	PHAS=	345.0	FOM=	1.00
INDE	-5	6	3	FOBS=	144.1	SIGMA=	2.0	PHAS=	73.3	FOM=	0.90
INDE	-5	6	4	FOBS=	36.2	SIGMA=	5.1	PHAS=	60.6	FOM=	0.39
INDE	-5	6	5	FOBS=	47.1	SIGMA=	6.0	PHAS=	272.3	FOM=	0.26
INDE	-5	6	6	FOBS=	113.2	SIGMA=	2.2	PHAS=	350.6	FOM=	0.93
INDE	-5	6	7	FOBS=	115.8	SIGMA=	2.7	PHAS=	119.8	FOM=	0.71
INDE	-5	6	8	FOBS=	183.1	SIGMA=	1.9	PHAS=	331.3	FOM=	0.97
INDE	-5	6	9	FOBS=	219.0	SIGMA=	1.8	PHAS=	348.4	FOM=	0.99
INDE	-5	6	10	FOBS=	227.4	SIGMA=	1.9	PHAS=	298.9	FOM=	0.93
INDE	-5	6	11	FOBS=	239.5	SIGMA=	2.0	PHAS=	256.8	FOM=	0.87
INDE	-5	6	12	FOBS=	116.9	SIGMA=	4.6	PHAS=	216.1	FOM=	0.27
INDE	-5	6	13	FOBS=	257.5	SIGMA=	2.2	PHAS=	119.2	FOM=	0.86
INDE	-5	6	14	FOBS=	71.8	SIGMA=	7.8	PHAS=	34.8	FOM=	0.10
INDE	-5	6	15	FOBS=	64.0	SIGMA=	9.1	PHAS=	351.6	FOM=	0.01
INDE	-5	6	16	FOBS=	82.6	SIGMA=	7.1	PHAS=	138.1	FOM=	0.03
INDE	-5	7	1	FOBS=	267.0	SIGMA=	1.3	PHAS=	93.3	FOM=	0.97
INDE	-5	7	2	FOBS=	174.4	SIGMA=	1.7	PHAS=	140.2	FOM=	0.93
INDE	-5	7	3	FOBS=	127.2	SIGMA=	3.8	PHAS=	251.9	FOM=	0.89
INDE	-5	7	4	FOBS=	60.0	SIGMA=	7.1	PHAS=	241.0	FOM=	0.38
INDE	-5	7	5	FOBS=	92.3	SIGMA=	3.3	PHAS=	146.0	FOM=	0.80
INDE	-5	7	6	FOBS=	122.8	SIGMA=	2.0	PHAS=	204.8	FOM=	0.83
INDE	-5	7	7	FOBS=	167.5	SIGMA=	2.0	PHAS=	56.1	FOM=	0.26
INDE	-5	7	8	FOBS=	179.2	SIGMA=	2.0	PHAS=	28.2	FOM=	0.51
INDE	-5	7	9	FOBS=	330.7	SIGMA=	1.3	PHAS=	259.0	FOM=	0.96
INDE	-5	7	10	FOBS=	133.1	SIGMA=	3.3	PHAS=	263.6	FOM=	0.81

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INDE	-5	7	11	FOBS=	393.6	SIGMA=	1.4	PHAS=	290.8	FOM=	0.85
INDE	-5	7	12	FOBS=	69.7	SIGMA=	7.7	PHAS=	34.7	FOM=	0.33
INDE	-5	7	13	FOBS=	249.1	SIGMA=	2.2	PHAS=	231.4	FOM=	0.69
INDE	-5	7	14	FOBS=	173.1	SIGMA=	3.3	PHAS=	345.1	FOM=	0.73
INDE	-5	7	15	FOBS=	247.0	SIGMA=	2.4	PHAS=	92.6	FOM=	0.69
INDE	-5	7	16	FOBS=	156.2	SIGMA=	3.9	PHAS=	261.2	FOM=	0.10
INDE	-5	8	1	FOBS=	47.7	SIGMA=	6.4	PHAS=	96.3	FOM=	0.38
INDE	-5	8	2	FOBS=	36.9	SIGMA=	9.3	PHAS=	310.3	FOM=	0.04
INDE	-5	8	3	FOBS=	98.6	SIGMA=	4.8	PHAS=	216.4	FOM=	0.69
INDE	-5	8	4	FOBS=	81.5	SIGMA=	6.1	PHAS=	146.3	FOM=	0.81
INDE	-5	8	5	FOBS=	93.6	SIGMA=	3.3	PHAS=	29.6	FOM=	0.77
INDE	-5	8	6	FOBS=	161.3	SIGMA=	1.6	PHAS=	77.1	FOM=	0.94
INDE	-5	8	7	FOBS=	246.3	SIGMA=	1.4	PHAS=	134.9	FOM=	0.76
INDE	-5	8	8	FOBS=	253.9	SIGMA=	1.7	PHAS=	231.6	FOM=	0.75
INDE	-5	8	9	FOBS=	313.2	SIGMA=	1.4	PHAS=	67.0	FOM=	0.92
INDE	-5	8	10	FOBS=	134.8	SIGMA=	3.5	PHAS=	319.8	FOM=	0.74
INDE	-5	8	11	FOBS=	527.8	SIGMA=	1.2	PHAS=	23.0	FOM=	0.94
INDE	-5	8	12	FOBS=	232.3	SIGMA=	2.3	PHAS=	231.6	FOM=	0.64
INDE	-5	8	13	FOBS=	37.8	SIGMA=	16.6	PHAS=	289.9	FOM=	0.09
INDE	-5	8	14	FOBS=	83.8	SIGMA=	6.8	PHAS=	115.7	FOM=	0.24
INDE	-5	8	15	FOBS=	160.7	SIGMA=	3.6	PHAS=	130.5	FOM=	0.18
INDE	-5	8	16	FOBS=	171.0	SIGMA=	3.4	PHAS=	345.7	FOM=	0.59
INDE	-5	9	1	FOBS=	69.0	SIGMA=	4.3	PHAS=	100.9	FOM=	0.47
INDE	-5	9	2	FOBS=	147.6	SIGMA=	1.9	PHAS=	160.5	FOM=	0.90
INDE	-5	9	3	FOBS=	160.0	SIGMA=	3.1	PHAS=	267.8	FOM=	0.76
INDE	-5	9	4	FOBS=	62.3	SIGMA=	7.7	PHAS=	72.3	FOM=	0.17
INDE	-5	9	5	FOBS=	214.7	SIGMA=	3.1	PHAS=	4.5	FOM=	0.38
INDE	-5	9	6	FOBS=	141.7	SIGMA=	1.7	PHAS=	166.5	FOM=	0.99
INDE	-5	9	7	FOBS=	56.4	SIGMA=	5.8	PHAS=	74.0	FOM=	0.80
INDE	-5	9	8	FOBS=	273.8	SIGMA=	1.4	PHAS=	165.4	FOM=	1.00
INDE	-5	9	9	FOBS=	158.8	SIGMA=	2.7	PHAS=	20.6	FOM=	0.92
INDE	-5	9	10	FOBS=	388.0	SIGMA=	1.4	PHAS=	63.3	FOM=	0.98
INDE	-5	9	11	FOBS=	134.9	SIGMA=	3.9	PHAS=	15.7	FOM=	0.92
INDE	-5	9	12	FOBS=	164.1	SIGMA=	3.3	PHAS=	291.3	FOM=	0.29
INDE	-5	9	13	FOBS=	187.5	SIGMA=	2.9	PHAS=	146.8	FOM=	0.48
INDE	-5	9	14	FOBS=	146.1	SIGMA=	4.1	PHAS=	269.7	FOM=	0.41
INDE	-5	9	15	FOBS=	213.3	SIGMA=	2.6	PHAS=	151.6	FOM=	0.75
INDE	-5	9	16	FOBS=	104.8	SIGMA=	5.5	PHAS=	342.9	FOM=	0.09
INDE	-5	10	1	FOBS=	90.7	SIGMA=	3.9	PHAS=	302.3	FOM=	0.77
INDE	-5	10	2	FOBS=	129.3	SIGMA=	2.1	PHAS=	219.5	FOM=	0.87
INDE	-5	10	3	FOBS=	34.1	SIGMA=	15.6	PHAS=	153.0	FOM=	0.39
INDE	-5	10	4	FOBS=	99.0	SIGMA=	5.1	PHAS=	65.2	FOM=	0.83
INDE	-5	10	5	FOBS=	304.2	SIGMA=	2.5	PHAS=	226.4	FOM=	0.82
INDE	-5	10	6	FOBS=	159.8	SIGMA=	1.9	PHAS=	142.7	FOM=	0.97
INDE	-5	10	7	FOBS=	296.7	SIGMA=	1.4	PHAS=	294.4	FOM=	0.41
INDE	-5	10	8	FOBS=	126.0	SIGMA=	2.9	PHAS=	134.7	FOM=	0.77
INDE	-5	10	9	FOBS=	221.9	SIGMA=	2.0	PHAS=	331.9	FOM=	0.92
INDE	-5	10	10	FOBS=	514.3	SIGMA=	1.2	PHAS=	249.0	FOM=	0.98
INDE	-5	10	11	FOBS=	202.8	SIGMA=	2.5	PHAS=	291.9	FOM=	0.03
INDE	-5	10	12	FOBS=	148.5	SIGMA=	3.8	PHAS=	66.9	FOM=	0.69
INDE	-5	10	13	FOBS=	58.0	SIGMA=	11.0	PHAS=	187.1	FOM=	0.15
INDE	-5	10	14	FOBS=	101.2	SIGMA=	5.5	PHAS=	249.4	FOM=	0.14
INDE	-5	10	15	FOBS=	43.5	SIGMA=	12.8	PHAS=	13.6	FOM=	0.44
INDE	-5	10	16	FOBS=	122.8	SIGMA=	4.7	PHAS=	235.6	FOM=	0.54
INDE	-5	11	1	FOBS=	107.9	SIGMA=	3.1	PHAS=	276.3	FOM=	0.96
INDE	-5	11	2	FOBS=	123.2	SIGMA=	2.1	PHAS=	47.1	FOM=	1.00
INDE	-5	11	3	FOBS=	164.8	SIGMA=	1.9	PHAS=	18.2	FOM=	0.97
INDE	-5	11	4	FOBS=	136.3	SIGMA=	3.8	PHAS=	88.4	FOM=	0.18
INDE	-5	11	5	FOBS=	198.9	SIGMA=	3.5	PHAS=	194.0	FOM=	0.96
INDE	-5	11	6	FOBS=	565.1	SIGMA=	1.1	PHAS=	0.8	FOM=	1.00
INDE	-5	11	7	FOBS=	55.7	SIGMA=	8.2	PHAS=	168.0	FOM=	0.41
INDE	-5	11	8	FOBS=	340.3	SIGMA=	1.3	PHAS=	56.0	FOM=	1.00
INDE	-5	11	9	FOBS=	85.2	SIGMA=	4.9	PHAS=	75.6	FOM=	0.09
INDE	-5	11	10	FOBS=	103.3	SIGMA=	4.9	PHAS=	101.3	FOM=	0.85
INDE	-5	11	11	FOBS=	430.8	SIGMA=	1.6	PHAS=	8.3	FOM=	1.00
INDE	-5	11	12	FOBS=	224.9	SIGMA=	2.4	PHAS=	85.9	FOM=	0.89
INDE	-5	11	13	FOBS=	65.6	SIGMA=	8.5	PHAS=	254.1	FOM=	0.13
INDE	-5	11	14	FOBS=	163.8	SIGMA=	3.4	PHAS=	30.1	FOM=	0.81
INDE	-5	11	15	FOBS=	135.4	SIGMA=	4.3	PHAS=	158.5	FOM=	0.71
INDE	-5	11	16	FOBS=	64.3	SIGMA=	8.9	PHAS=	294.4	FOM=	0.11
INDE	-5	12	1	FOBS=	44.1	SIGMA=	8.1	PHAS=	133.9	FOM=	0.52

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INDE	-5	12	2	FOBS=	104.9	SIGMA=	3.0	PHAS=	268.4	FOM=	0.77
INDE	-5	12	3	FOBS=	79.9	SIGMA=	3.0	PHAS=	185.2	FOM=	0.92
INDE	-5	12	4	FOBS=	121.4	SIGMA=	4.3	PHAS=	346.0	FOM=	0.95
INDE	-5	12	5	FOBS=	94.6	SIGMA=	6.7	PHAS=	170.2	FOM=	0.61
INDE	-5	12	6	FOBS=	485.4	SIGMA=	0.9	PHAS=	328.0	FOM=	0.77
INDE	-5	12	7	FOBS=	385.7	SIGMA=	1.2	PHAS=	121.3	FOM=	0.99
INDE	-5	12	8	FOBS=	116.3	SIGMA=	3.4	PHAS=	124.1	FOM=	0.79
INDE	-5	12	9	FOBS=	322.7	SIGMA=	1.6	PHAS=	305.3	FOM=	0.30
INDE	-5	12	10	FOBS=	236.6	SIGMA=	2.0	PHAS=	135.8	FOM=	0.91
INDE	-5	12	11	FOBS=	246.8	SIGMA=	2.4	PHAS=	71.4	FOM=	0.92
INDE	-5	12	12	FOBS=	254.5	SIGMA=	2.3	PHAS=	234.4	FOM=	0.28
INDE	-5	12	13	FOBS=	106.2	SIGMA=	5.2	PHAS=	169.5	FOM=	0.45
INDE	-5	12	14	FOBS=	33.4	SIGMA=	13.9	PHAS=	93.3	FOM=	0.32
INDE	-5	12	15	FOBS=	69.5	SIGMA=	8.2	PHAS=	9.3	FOM=	0.13
INDE	-5	13	1	FOBS=	113.9	SIGMA=	3.0	PHAS=	122.6	FOM=	0.68
INDE	-5	13	2	FOBS=	118.5	SIGMA=	2.9	PHAS=	254.6	FOM=	0.98
INDE	-5	13	3	FOBS=	168.3	SIGMA=	1.6	PHAS=	18.7	FOM=	0.97
INDE	-5	13	4	FOBS=	207.6	SIGMA=	2.0	PHAS=	291.1	FOM=	0.76
INDE	-5	13	5	FOBS=	149.9	SIGMA=	1.6	PHAS=	108.0	FOM=	0.99
INDE	-5	13	6	FOBS=	195.8	SIGMA=	1.5	PHAS=	215.4	FOM=	0.55
INDE	-5	13	7	FOBS=	272.7	SIGMA=	1.4	PHAS=	169.8	FOM=	1.00
INDE	-5	13	8	FOBS=	224.7	SIGMA=	2.0	PHAS=	246.0	FOM=	0.99
INDE	-5	13	9	FOBS=	142.4	SIGMA=	2.9	PHAS=	335.5	FOM=	0.69
INDE	-5	13	10	FOBS=	168.7	SIGMA=	2.9	PHAS=	64.3	FOM=	0.83
INDE	-5	13	11	FOBS=	101.1	SIGMA=	5.6	PHAS=	75.5	FOM=	0.72
INDE	-5	13	12	FOBS=	169.7	SIGMA=	3.4	PHAS=	33.7	FOM=	0.90
INDE	-5	13	13	FOBS=	112.3	SIGMA=	5.1	PHAS=	12.0	FOM=	0.05
INDE	-5	13	14	FOBS=	112.0	SIGMA=	5.2	PHAS=	49.1	FOM=	0.63
INDE	-5	14	1	FOBS=	57.2	SIGMA=	6.1	PHAS=	139.0	FOM=	0.64
INDE	-5	14	2	FOBS=	420.0	SIGMA=	1.2	PHAS=	29.1	FOM=	0.97
INDE	-5	14	3	FOBS=	318.4	SIGMA=	1.2	PHAS=	293.9	FOM=	1.00
INDE	-5	14	4	FOBS=	339.0	SIGMA=	0.9	PHAS=	140.9	FOM=	0.99
INDE	-5	14	5	FOBS=	316.9	SIGMA=	1.3	PHAS=	331.3	FOM=	0.95
INDE	-5	14	6	FOBS=	112.6	SIGMA=	2.8	PHAS=	72.0	FOM=	0.84
INDE	-5	14	7	FOBS=	104.3	SIGMA=	3.6	PHAS=	175.2	FOM=	0.10
INDE	-5	14	8	FOBS=	124.5	SIGMA=	4.2	PHAS=	258.3	FOM=	0.96
INDE	-5	14	9	FOBS=	374.5	SIGMA=	1.4	PHAS=	108.8	FOM=	0.98
INDE	-5	14	10	FOBS=	170.6	SIGMA=	2.7	PHAS=	156.6	FOM=	0.92
INDE	-5	14	11	FOBS=	335.6	SIGMA=	1.8	PHAS=	301.2	FOM=	0.96
INDE	-5	14	12	FOBS=	197.9	SIGMA=	3.2	PHAS=	207.6	FOM=	0.86
INDE	-5	14	13	FOBS=	169.9	SIGMA=	3.5	PHAS=	204.1	FOM=	0.68
INDE	-5	14	14	FOBS=	77.8	SIGMA=	7.0	PHAS=	214.5	FOM=	0.41
INDE	-5	14	15	FOBS=	61.9	SIGMA=	8.8	PHAS=	16.9	FOM=	0.03
INDE	-5	15	1	FOBS=	333.3	SIGMA=	1.3	PHAS=	100.0	FOM=	0.96
INDE	-5	15	2	FOBS=	411.7	SIGMA=	1.2	PHAS=	272.5	FOM=	0.94
INDE	-5	15	3	FOBS=	263.7	SIGMA=	1.2	PHAS=	349.8	FOM=	0.94
INDE	-5	15	4	FOBS=	549.2	SIGMA=	0.7	PHAS=	64.9	FOM=	0.97
INDE	-5	15	5	FOBS=	431.8	SIGMA=	1.0	PHAS=	283.9	FOM=	0.90
INDE	-5	15	6	FOBS=	99.0	SIGMA=	3.8	PHAS=	356.7	FOM=	0.61
INDE	-5	15	7	FOBS=	245.0	SIGMA=	1.6	PHAS=	194.4	FOM=	0.97
INDE	-5	15	8	FOBS=	248.4	SIGMA=	2.0	PHAS=	18.8	FOM=	0.42
INDE	-5	15	9	FOBS=	182.8	SIGMA=	2.4	PHAS=	20.3	FOM=	0.94
INDE	-5	15	10	FOBS=	349.9	SIGMA=	1.6	PHAS=	221.3	FOM=	0.99
INDE	-5	15	11	FOBS=	241.8	SIGMA=	2.1	PHAS=	266.2	FOM=	0.86
INDE	-5	15	12	FOBS=	214.0	SIGMA=	2.4	PHAS=	219.8	FOM=	0.33
INDE	-5	15	13	FOBS=	179.7	SIGMA=	3.8	PHAS=	46.9	FOM=	0.30
INDE	-5	15	14	FOBS=	157.6	SIGMA=	3.9	PHAS=	173.1	FOM=	0.35
INDE	-5	15	15	FOBS=	107.2	SIGMA=	5.5	PHAS=	340.6	FOM=	0.17
INDE	-5	16	1	FOBS=	377.3	SIGMA=	1.3	PHAS=	274.6	FOM=	0.76
INDE	-5	16	2	FOBS=	100.4	SIGMA=	4.3	PHAS=	315.2	FOM=	0.37
INDE	-5	16	3	FOBS=	239.3	SIGMA=	1.5	PHAS=	348.9	FOM=	0.89
INDE	-5	16	4	FOBS=	190.9	SIGMA=	1.6	PHAS=	3.1	FOM=	0.98
INDE	-5	16	5	FOBS=	276.1	SIGMA=	2.3	PHAS=	270.9	FOM=	0.94
INDE	-5	16	6	FOBS=	89.4	SIGMA=	3.5	PHAS=	335.2	FOM=	0.72
INDE	-5	16	7	FOBS=	128.9	SIGMA=	3.0	PHAS=	236.5	FOM=	0.45
INDE	-5	16	8	FOBS=	432.0	SIGMA=	1.2	PHAS=	64.7	FOM=	0.92
INDE	-5	16	9	FOBS=	209.4	SIGMA=	2.3	PHAS=	300.4	FOM=	0.94
INDE	-5	16	10	FOBS=	164.2	SIGMA=	2.9	PHAS=	159.8	FOM=	0.85
INDE	-5	16	11	FOBS=	226.3	SIGMA=	2.2	PHAS=	309.4	FOM=	0.90
INDE	-5	16	12	FOBS=	152.3	SIGMA=	3.6	PHAS=	171.7	FOM=	0.94
INDE	-5	16	13	FOBS=	269.7	SIGMA=	2.1	PHAS=	304.9	FOM=	0.96

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INDE	-5	16	14	FOBS=	188.2	SIGMA=	3.2	PHAS=	293.5	FOM=	0.65
INDE	-5	16	15	FOBS=	73.1	SIGMA=	19.9	PHAS=	96.2	FOM=	0.04
INDE	-5	17	1	FOBS=	251.5	SIGMA=	1.7	PHAS=	246.1	FOM=	0.94
INDE	-5	17	2	FOBS=	646.3	SIGMA=	1.3	PHAS=	244.4	FOM=	0.95
INDE	-5	17	3	FOBS=	323.6	SIGMA=	1.2	PHAS=	336.5	FOM=	0.93
INDE	-5	17	4	FOBS=	264.9	SIGMA=	1.3	PHAS=	120.4	FOM=	0.80
INDE	-5	17	5	FOBS=	227.8	SIGMA=	2.1	PHAS=	5.8	FOM=	0.78
INDE	-5	17	6	FOBS=	153.3	SIGMA=	2.1	PHAS=	57.7	FOM=	0.93
INDE	-5	17	7	FOBS=	164.0	SIGMA=	2.7	PHAS=	161.0	FOM=	0.88
INDE	-5	17	8	FOBS=	316.9	SIGMA=	1.5	PHAS=	174.9	FOM=	0.82
INDE	-5	17	9	FOBS=	174.3	SIGMA=	3.0	PHAS=	169.3	FOM=	0.24
INDE	-5	17	10	FOBS=	110.2	SIGMA=	4.4	PHAS=	30.4	FOM=	0.21
INDE	-5	17	11	FOBS=	157.3	SIGMA=	3.3	PHAS=	10.5	FOM=	0.20
INDE	-5	17	12	FOBS=	79.5	SIGMA=	6.2	PHAS=	213.5	FOM=	0.36
INDE	-5	17	13	FOBS=	115.4	SIGMA=	4.6	PHAS=	15.5	FOM=	0.54
INDE	-5	17	14	FOBS=	80.6	SIGMA=	6.7	PHAS=	103.8	FOM=	0.10
INDE	-5	18	1	FOBS=	494.1	SIGMA=	1.3	PHAS=	156.9	FOM=	0.99
INDE	-5	18	2	FOBS=	242.6	SIGMA=	1.6	PHAS=	242.9	FOM=	0.96
INDE	-5	18	3	FOBS=	715.3	SIGMA=	0.9	PHAS=	100.5	FOM=	0.99
INDE	-5	18	4	FOBS=	116.1	SIGMA=	3.1	PHAS=	266.3	FOM=	0.88
INDE	-5	18	5	FOBS=	595.3	SIGMA=	1.2	PHAS=	67.4	FOM=	0.97
INDE	-5	18	6	FOBS=	93.6	SIGMA=	3.7	PHAS=	146.8	FOM=	0.77
INDE	-5	18	7	FOBS=	419.9	SIGMA=	1.6	PHAS=	210.2	FOM=	1.00
INDE	-5	18	8	FOBS=	295.3	SIGMA=	1.7	PHAS=	179.0	FOM=	0.61
INDE	-5	18	9	FOBS=	165.8	SIGMA=	3.1	PHAS=	220.1	FOM=	0.72
INDE	-5	18	10	FOBS=	74.0	SIGMA=	6.6	PHAS=	205.8	FOM=	0.10
INDE	-5	18	11	FOBS=	152.4	SIGMA=	3.4	PHAS=	154.0	FOM=	0.17
INDE	-5	18	12	FOBS=	198.8	SIGMA=	2.5	PHAS=	23.7	FOM=	0.14
INDE	-5	18	13	FOBS=	163.1	SIGMA=	3.0	PHAS=	64.6	FOM=	0.66
INDE	-5	18	14	FOBS=	139.3	SIGMA=	3.9	PHAS=	190.5	FOM=	0.70
INDE	-5	19	1	FOBS=	208.1	SIGMA=	2.4	PHAS=	298.2	FOM=	0.97
INDE	-5	19	2	FOBS=	398.4	SIGMA=	1.2	PHAS=	95.6	FOM=	0.70
INDE	-5	19	3	FOBS=	212.2	SIGMA=	1.8	PHAS=	166.2	FOM=	0.49
INDE	-5	19	4	FOBS=	478.5	SIGMA=	1.0	PHAS=	109.1	FOM=	0.98
INDE	-5	19	5	FOBS=	88.6	SIGMA=	5.5	PHAS=	319.3	FOM=	0.33
INDE	-5	19	6	FOBS=	102.2	SIGMA=	3.6	PHAS=	303.0	FOM=	0.80
INDE	-5	19	7	FOBS=	194.6	SIGMA=	2.2	PHAS=	154.5	FOM=	0.96
INDE	-5	19	8	FOBS=	317.1	SIGMA=	1.8	PHAS=	56.3	FOM=	0.98
INDE	-5	19	9	FOBS=	172.5	SIGMA=	3.0	PHAS=	121.6	FOM=	0.45
INDE	-5	19	10	FOBS=	162.6	SIGMA=	2.7	PHAS=	59.9	FOM=	0.92
INDE	-5	19	11	FOBS=	361.1	SIGMA=	1.6	PHAS=	298.2	FOM=	0.97
INDE	-5	19	12	FOBS=	149.0	SIGMA=	3.5	PHAS=	40.1	FOM=	0.22
INDE	-5	19	13	FOBS=	64.4	SIGMA=	7.5	PHAS=	217.4	FOM=	0.19
INDE	-5	19	14	FOBS=	59.1	SIGMA=	22.0	PHAS=	84.9	FOM=	0.02
INDE	-5	20	1	FOBS=	127.5	SIGMA=	4.6	PHAS=	190.6	FOM=	0.70
INDE	-5	20	2	FOBS=	103.8	SIGMA=	4.0	PHAS=	350.9	FOM=	0.53
INDE	-5	20	3	FOBS=	145.8	SIGMA=	2.7	PHAS=	186.8	FOM=	0.98
INDE	-5	20	4	FOBS=	486.5	SIGMA=	1.2	PHAS=	25.3	FOM=	1.00
INDE	-5	20	5	FOBS=	357.1	SIGMA=	1.6	PHAS=	148.6	FOM=	0.91
INDE	-5	20	6	FOBS=	137.5	SIGMA=	2.6	PHAS=	53.1	FOM=	0.96
INDE	-5	20	7	FOBS=	358.4	SIGMA=	1.4	PHAS=	178.8	FOM=	0.89
INDE	-5	20	8	FOBS=	285.0	SIGMA=	1.9	PHAS=	302.5	FOM=	0.15
INDE	-5	20	9	FOBS=	467.0	SIGMA=	1.3	PHAS=	41.0	FOM=	0.57
INDE	-5	20	10	FOBS=	48.5	SIGMA=	13.6	PHAS=	191.1	FOM=	0.11
INDE	-5	20	11	FOBS=	174.6	SIGMA=	2.7	PHAS=	222.3	FOM=	0.86
INDE	-5	20	12	FOBS=	88.8	SIGMA=	5.4	PHAS=	207.5	FOM=	0.22
INDE	-5	21	1	FOBS=	293.9	SIGMA=	2.0	PHAS=	240.9	FOM=	0.81
INDE	-5	21	2	FOBS=	112.7	SIGMA=	3.8	PHAS=	279.7	FOM=	0.93
INDE	-5	21	3	FOBS=	143.0	SIGMA=	2.5	PHAS=	251.0	FOM=	1.00
INDE	-5	21	4	FOBS=	232.3	SIGMA=	1.7	PHAS=	79.7	FOM=	0.81
INDE	-5	21	5	FOBS=	134.4	SIGMA=	3.7	PHAS=	331.0	FOM=	0.91
INDE	-5	21	6	FOBS=	117.8	SIGMA=	3.4	PHAS=	58.3	FOM=	0.58
INDE	-5	21	7	FOBS=	151.8	SIGMA=	2.7	PHAS=	222.4	FOM=	0.42
INDE	-5	21	8	FOBS=	368.1	SIGMA=	1.6	PHAS=	96.5	FOM=	0.71
INDE	-5	21	9	FOBS=	157.5	SIGMA=	2.9	PHAS=	311.4	FOM=	0.01
INDE	-5	21	10	FOBS=	169.0	SIGMA=	3.1	PHAS=	61.3	FOM=	0.37
INDE	-5	21	11	FOBS=	34.8	SIGMA=	14.0	PHAS=	40.8	FOM=	0.31
INDE	-5	21	12	FOBS=	144.8	SIGMA=	3.4	PHAS=	104.6	FOM=	0.83
INDE	-5	21	13	FOBS=	120.8	SIGMA=	4.2	PHAS=	152.2	FOM=	0.20
INDE	-5	22	1	FOBS=	289.7	SIGMA=	1.6	PHAS=	10.8	FOM=	1.00
INDE	-5	22	2	FOBS=	103.7	SIGMA=	4.0	PHAS=	290.3	FOM=	0.80

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INDE	-5	22	3	FOBS=	202.9	SIGMA=	2.2	PHAS=	200.4	FOM=	0.63
INDE	-5	22	4	FOBS=	149.9	SIGMA=	2.6	PHAS=	332.7	FOM=	0.91
INDE	-5	22	5	FOBS=	195.6	SIGMA=	2.6	PHAS=	285.4	FOM=	0.59
INDE	-5	22	6	FOBS=	538.3	SIGMA=	1.1	PHAS=	349.8	FOM=	0.61
INDE	-5	22	7	FOBS=	135.3	SIGMA=	3.2	PHAS=	354.5	FOM=	0.79
INDE	-5	22	8	FOBS=	257.0	SIGMA=	1.8	PHAS=	245.6	FOM=	0.98
INDE	-5	22	9	FOBS=	129.2	SIGMA=	3.9	PHAS=	154.9	FOM=	0.89
INDE	-5	22	10	FOBS=	113.2	SIGMA=	4.6	PHAS=	330.7	FOM=	0.59
INDE	-5	22	11	FOBS=	198.5	SIGMA=	2.4	PHAS=	230.6	FOM=	0.97
INDE	-5	22	12	FOBS=	98.7	SIGMA=	5.0	PHAS=	48.1	FOM=	0.70
INDE	-5	23	1	FOBS=	195.7	SIGMA=	2.3	PHAS=	138.8	FOM=	0.41
INDE	-5	23	2	FOBS=	259.9	SIGMA=	1.8	PHAS=	218.7	FOM=	0.93
INDE	-5	23	3	FOBS=	168.8	SIGMA=	2.4	PHAS=	300.4	FOM=	0.93
INDE	-5	23	4	FOBS=	129.4	SIGMA=	3.2	PHAS=	83.7	FOM=	0.94
INDE	-5	23	5	FOBS=	208.4	SIGMA=	2.5	PHAS=	289.2	FOM=	0.84
INDE	-5	23	6	FOBS=	80.0	SIGMA=	4.4	PHAS=	323.5	FOM=	0.65
INDE	-5	23	7	FOBS=	67.2	SIGMA=	6.0	PHAS=	249.4	FOM=	0.42
INDE	-5	23	8	FOBS=	127.1	SIGMA=	3.4	PHAS=	84.2	FOM=	0.54
INDE	-5	23	9	FOBS=	176.5	SIGMA=	2.6	PHAS=	112.2	FOM=	0.84
INDE	-5	23	10	FOBS=	146.7	SIGMA=	3.3	PHAS=	239.7	FOM=	0.79
INDE	-5	23	11	FOBS=	136.8	SIGMA=	4.0	PHAS=	173.1	FOM=	0.57
INDE	-5	23	12	FOBS=	85.2	SIGMA=	5.6	PHAS=	36.9	FOM=	0.36
INDE	-5	24	1	FOBS=	339.4	SIGMA=	1.6	PHAS=	96.9	FOM=	0.92
INDE	-5	24	2	FOBS=	87.4	SIGMA=	4.7	PHAS=	14.5	FOM=	0.24
INDE	-5	24	3	FOBS=	294.3	SIGMA=	1.6	PHAS=	303.6	FOM=	0.97
INDE	-5	24	4	FOBS=	217.5	SIGMA=	2.1	PHAS=	258.5	FOM=	0.92
INDE	-5	24	5	FOBS=	383.2	SIGMA=	1.9	PHAS=	344.7	FOM=	0.97
INDE	-5	24	6	FOBS=	71.8	SIGMA=	5.3	PHAS=	268.4	FOM=	0.67
INDE	-5	24	7	FOBS=	164.8	SIGMA=	2.6	PHAS=	15.2	FOM=	0.55
INDE	-5	24	8	FOBS=	324.4	SIGMA=	1.5	PHAS=	296.4	FOM=	0.98
INDE	-5	24	9	FOBS=	154.6	SIGMA=	3.0	PHAS=	168.9	FOM=	0.96
INDE	-5	24	10	FOBS=	118.5	SIGMA=	3.9	PHAS=	15.8	FOM=	0.74
INDE	-5	24	11	FOBS=	67.2	SIGMA=	7.9	PHAS=	341.8	FOM=	0.51
INDE	-5	25	1	FOBS=	151.3	SIGMA=	3.0	PHAS=	223.2	FOM=	0.53
INDE	-5	25	2	FOBS=	213.3	SIGMA=	2.1	PHAS=	273.0	FOM=	0.39
INDE	-5	25	3	FOBS=	266.0	SIGMA=	1.7	PHAS=	121.1	FOM=	0.88
INDE	-5	25	4	FOBS=	150.2	SIGMA=	2.7	PHAS=	83.7	FOM=	0.41
INDE	-5	25	5	FOBS=	162.5	SIGMA=	3.4	PHAS=	33.1	FOM=	0.77
INDE	-5	25	6	FOBS=	187.3	SIGMA=	2.8	PHAS=	66.1	FOM=	0.10
INDE	-5	25	7	FOBS=	50.6	SIGMA=	8.1	PHAS=	341.0	FOM=	0.42
INDE	-5	25	8	FOBS=	144.8	SIGMA=	2.9	PHAS=	205.7	FOM=	0.93
INDE	-5	25	9	FOBS=	288.1	SIGMA=	1.6	PHAS=	66.4	FOM=	0.88
INDE	-5	25	10	FOBS=	84.6	SIGMA=	5.3	PHAS=	24.1	FOM=	0.57
INDE	-5	25	11	FOBS=	138.4	SIGMA=	4.4	PHAS=	89.8	FOM=	0.25
INDE	-5	26	1	FOBS=	99.4	SIGMA=	4.7	PHAS=	157.6	FOM=	0.86
INDE	-5	26	2	FOBS=	353.3	SIGMA=	1.4	PHAS=	115.5	FOM=	0.98
INDE	-5	26	3	FOBS=	362.7	SIGMA=	1.4	PHAS=	2.0	FOM=	0.97
INDE	-5	26	4	FOBS=	162.3	SIGMA=	2.6	PHAS=	315.0	FOM=	0.97
INDE	-5	26	5	FOBS=	131.3	SIGMA=	3.6	PHAS=	55.5	FOM=	0.95
INDE	-5	26	6	FOBS=	206.9	SIGMA=	2.3	PHAS=	179.3	FOM=	0.89
INDE	-5	26	7	FOBS=	209.7	SIGMA=	2.2	PHAS=	245.8	FOM=	0.97
INDE	-5	26	8	FOBS=	184.8	SIGMA=	2.3	PHAS=	79.4	FOM=	0.97
INDE	-5	26	9	FOBS=	152.3	SIGMA=	2.6	PHAS=	8.4	FOM=	0.89
INDE	-5	26	10	FOBS=	49.3	SIGMA=	8.5	PHAS=	75.2	FOM=	0.11
INDE	-5	27	1	FOBS=	70.4	SIGMA=	6.0	PHAS=	56.1	FOM=	0.04
INDE	-5	27	2	FOBS=	211.8	SIGMA=	2.1	PHAS=	351.4	FOM=	0.97
INDE	-5	27	3	FOBS=	86.5	SIGMA=	4.5	PHAS=	32.3	FOM=	0.57
INDE	-5	27	4	FOBS=	127.6	SIGMA=	3.4	PHAS=	209.4	FOM=	0.03
INDE	-5	27	5	FOBS=	99.9	SIGMA=	4.1	PHAS=	270.2	FOM=	0.81
INDE	-5	27	6	FOBS=	156.3	SIGMA=	2.9	PHAS=	292.5	FOM=	0.78
INDE	-5	27	7	FOBS=	162.4	SIGMA=	2.7	PHAS=	127.1	FOM=	0.25
INDE	-5	27	8	FOBS=	203.5	SIGMA=	2.3	PHAS=	353.4	FOM=	0.24
INDE	-5	27	9	FOBS=	233.3	SIGMA=	1.9	PHAS=	242.7	FOM=	0.85
INDE	-5	28	1	FOBS=	85.0	SIGMA=	4.9	PHAS=	237.1	FOM=	0.60
INDE	-5	28	2	FOBS=	50.9	SIGMA=	7.8	PHAS=	263.6	FOM=	0.10
INDE	-5	28	3	FOBS=	89.6	SIGMA=	4.1	PHAS=	322.8	FOM=	0.94
INDE	-5	28	4	FOBS=	86.8	SIGMA=	5.5	PHAS=	269.3	FOM=	0.87
INDE	-5	28	5	FOBS=	380.5	SIGMA=	1.3	PHAS=	5.3	FOM=	0.95
INDE	-5	28	6	FOBS=	280.5	SIGMA=	1.9	PHAS=	223.9	FOM=	0.95
INDE	-5	28	7	FOBS=	171.9	SIGMA=	2.4	PHAS=	75.2	FOM=	0.74
INDE	-5	28	8	FOBS=	86.7	SIGMA=	5.0	PHAS=	358.1	FOM=	0.40

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INDE	-5	29	1	FOBS=	159.9	SIGMA=	2.7	PHAS=	143.5	FOM=	0.21
INDE	-5	29	2	FOBS=	196.4	SIGMA=	2.2	PHAS=	28.9	FOM=	0.49
INDE	-5	29	3	FOBS=	196.7	SIGMA=	2.1	PHAS=	118.3	FOM=	0.37
INDE	-5	29	4	FOBS=	211.1	SIGMA=	2.2	PHAS=	330.8	FOM=	0.94
INDE	-5	29	5	FOBS=	104.0	SIGMA=	3.8	PHAS=	187.8	FOM=	0.24
INDE	-5	29	6	FOBS=	131.5	SIGMA=	3.6	PHAS=	213.4	FOM=	0.61
INDE	-5	29	7	FOBS=	215.0	SIGMA=	2.1	PHAS=	30.5	FOM=	0.95
INDE	-5	30	1	FOBS=	119.2	SIGMA=	3.6	PHAS=	74.8	FOM=	0.30
INDE	-5	30	2	FOBS=	54.7	SIGMA=	7.1	PHAS=	37.8	FOM=	0.08
INDE	-5	30	3	FOBS=	56.5	SIGMA=	6.8	PHAS=	263.5	FOM=	0.09
INDE	-5	30	4	FOBS=	131.0	SIGMA=	3.5	PHAS=	352.7	FOM=	0.27
INDE	-5	30	5	FOBS=	147.0	SIGMA=	2.7	PHAS=	125.0	FOM=	0.31
INDE	-5	30	6	FOBS=	89.5	SIGMA=	5.1	PHAS=	346.3	FOM=	0.15
INDE	-5	31	1	FOBS=	186.5	SIGMA=	2.3	PHAS=	313.3	FOM=	0.79
INDE	-5	31	2	FOBS=	75.0	SIGMA=	5.2	PHAS=	21.9	FOM=	0.20
INDE	-5	31	3	FOBS=	81.8	SIGMA=	4.8	PHAS=	164.5	FOM=	0.50
INDE	-5	31	4	FOBS=	115.7	SIGMA=	4.0	PHAS=	220.6	FOM=	0.21
INDE	-5	31	5	FOBS=	106.5	SIGMA=	5.2	PHAS=	19.8	FOM=	0.33
INDE	-5	32	1	FOBS=	187.1	SIGMA=	2.4	PHAS=	202.6	FOM=	0.67
INDE	-5	32	2	FOBS=	120.6	SIGMA=	4.1	PHAS=	151.8	FOM=	0.88
INDE	-4	0	1	FOBS=	87.7	SIGMA=	4.5	PHAS=	180.0	FOM=	0.00
INDE	-4	0	2	FOBS=	142.8	SIGMA=	3.0	PHAS=	0.0	FOM=	0.44
INDE	-4	0	3	FOBS=	1003.7	SIGMA=	1.0	PHAS=	180.0	FOM=	1.00
INDE	-4	0	4	FOBS=	936.1	SIGMA=	1.1	PHAS=	0.0	FOM=	1.00
INDE	-4	0	5	FOBS=	136.4	SIGMA=	2.2	PHAS=	0.0	FOM=	1.00
INDE	-4	0	6	FOBS=	93.1	SIGMA=	3.5	PHAS=	180.0	FOM=	1.00
INDE	-4	0	7	FOBS=	245.5	SIGMA=	1.8	PHAS=	180.0	FOM=	1.00
INDE	-4	0	8	FOBS=	262.9	SIGMA=	2.0	PHAS=	0.0	FOM=	0.85
INDE	-4	0	9	FOBS=	151.0	SIGMA=	3.6	PHAS=	180.0	FOM=	0.80
INDE	-4	10	10	FOBS=	246.8	SIGMA=	2.6	PHAS=	0.0	FOM=	0.98
INDE	-4	11	11	FOBS=	305.0	SIGMA=	2.4	PHAS=	180.0	FOM=	1.00
INDE	-4	12	12	FOBS=	376.4	SIGMA=	2.4	PHAS=	180.0	FOM=	1.00
INDE	-4	13	13	FOBS=	112.5	SIGMA=	7.9	PHAS=	0.0	FOM=	0.19
INDE	-4	14	14	FOBS=	156.2	SIGMA=	6.2	PHAS=	0.0	FOM=	0.75
INDE	-4	15	15	FOBS=	171.2	SIGMA=	5.9	PHAS=	180.0	FOM=	0.99
INDE	-4	16	16	FOBS=	85.7	SIGMA=	10.4	PHAS=	0.0	FOM=	0.09
INDE	-4	17	17	FOBS=	88.1	SIGMA=	10.4	PHAS=	0.0	FOM=	0.10
INDE	-4	1	1	FOBS=	383.2	SIGMA=	10.9	PHAS=	127.9	FOM=	1.00
INDE	-4	1	2	FOBS=	603.7	SIGMA=	0.8	PHAS=	160.6	FOM=	1.00
INDE	-4	1	3	FOBS=	448.1	SIGMA=	0.8	PHAS=	5.5	FOM=	0.44
INDE	-4	1	4	FOBS=	712.3	SIGMA=	1.1	PHAS=	313.1	FOM=	0.98
INDE	-4	1	5	FOBS=	140.6	SIGMA=	1.6	PHAS=	208.6	FOM=	0.98
INDE	-4	1	6	FOBS=	415.3	SIGMA=	1.0	PHAS=	338.7	FOM=	0.58
INDE	-4	1	7	FOBS=	64.8	SIGMA=	4.6	PHAS=	248.5	FOM=	0.03
INDE	-4	1	8	FOBS=	102.1	SIGMA=	3.6	PHAS=	325.6	FOM=	0.85
INDE	-4	1	9	FOBS=	154.7	SIGMA=	2.7	PHAS=	68.4	FOM=	0.84
INDE	-4	1	10	FOBS=	241.9	SIGMA=	2.0	PHAS=	311.0	FOM=	0.99
INDE	-4	1	11	FOBS=	176.8	SIGMA=	2.8	PHAS=	224.7	FOM=	0.80
INDE	-4	1	12	FOBS=	356.5	SIGMA=	1.7	PHAS=	99.6	FOM=	0.87
INDE	-4	1	13	FOBS=	420.7	SIGMA=	1.7	PHAS=	294.5	FOM=	1.00
INDE	-4	1	14	FOBS=	504.8	SIGMA=	1.5	PHAS=	87.1	FOM=	0.96
INDE	-4	1	15	FOBS=	173.6	SIGMA=	3.7	PHAS=	316.3	FOM=	0.33
INDE	-4	1	16	FOBS=	91.6	SIGMA=	7.0	PHAS=	347.8	FOM=	0.22
INDE	-4	1	17	FOBS=	123.7	SIGMA=	5.3	PHAS=	54.5	FOM=	0.18
INDE	-4	2	1	FOBS=	397.7	SIGMA=	0.9	PHAS=	99.9	FOM=	0.99
INDE	-4	2	2	FOBS=	263.2	SIGMA=	1.4	PHAS=	208.3	FOM=	0.98
INDE	-4	2	4	FOBS=	341.4	SIGMA=	0.9	PHAS=	74.2	FOM=	0.94
INDE	-4	2	5	FOBS=	257.9	SIGMA=	1.2	PHAS=	300.0	FOM=	1.00
INDE	-4	2	6	FOBS=	314.6	SIGMA=	1.1	PHAS=	80.7	FOM=	0.99
INDE	-4	2	7	FOBS=	116.4	SIGMA=	2.8	PHAS=	163.6	FOM=	0.96
INDE	-4	2	8	FOBS=	183.6	SIGMA=	1.9	PHAS=	69.9	FOM=	0.96
INDE	-4	2	9	FOBS=	141.2	SIGMA=	2.7	PHAS=	136.4	FOM=	0.85
INDE	-4	2	10	FOBS=	342.4	SIGMA=	1.5	PHAS=	284.1	FOM=	0.98
INDE	-4	2	11	FOBS=	307.3	SIGMA=	1.8	PHAS=	352.4	FOM=	1.00
INDE	-4	2	12	FOBS=	270.4	SIGMA=	2.2	PHAS=	255.3	FOM=	0.91
INDE	-4	2	13	FOBS=	299.6	SIGMA=	2.1	PHAS=	287.9	FOM=	0.71
INDE	-4	2	14	FOBS=	259.9	SIGMA=	2.5	PHAS=	70.7	FOM=	0.91
INDE	-4	2	15	FOBS=	81.4	SIGMA=	7.8	PHAS=	228.2	FOM=	0.44
INDE	-4	2	16	FOBS=	261.2	SIGMA=	2.4	PHAS=	326.7	FOM=	0.91
INDE	-4	3	17	FOBS=	147.3	SIGMA=	4.5	PHAS=	102.7	FOM=	0.32
INDE	-4	3	1	FOBS=	536.3	SIGMA=	0.9	PHAS=	343.2	FOM=	0.38

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INDE	-4	3	2	FOBS=	199.4	SIGMA=	1.5	PHAS=	243.5	FOM=	0.83
INDE	-4	3	3	FOBS=	223.0	SIGMA=	1.2	PHAS=	347.6	FOM=	0.99
INDE	-4	3	4	FOBS=	593.3	SIGMA=	0.9	PHAS=	350.4	FOM=	0.53
INDE	-4	3	5	FOBS=	237.2	SIGMA=	1.2	PHAS=	162.7	FOM=	0.76
INDE	-4	3	6	FOBS=	187.1	SIGMA=	1.5	PHAS=	328.9	FOM=	0.99
INDE	-4	3	7	FOBS=	225.8	SIGMA=	1.4	PHAS=	199.6	FOM=	0.99
INDE	-4	3	8	FOBS=	293.2	SIGMA=	1.3	PHAS=	302.9	FOM=	1.00
INDE	-4	3	9	FOBS=	448.2	SIGMA=	1.1	PHAS=	129.2	FOM=	1.00
INDE	-4	3	10	FOBS=	302.4	SIGMA=	1.6	PHAS=	298.6	FOM=	0.90
INDE	-4	3	11	FOBS=	337.4	SIGMA=	1.6	PHAS=	333.9	FOM=	0.91
INDE	-4	3	12	FOBS=	174.3	SIGMA=	3.2	PHAS=	226.6	FOM=	0.86
INDE	-4	3	13	FOBS=	148.3	SIGMA=	4.3	PHAS=	281.7	FOM=	0.24
INDE	-4	3	14	FOBS=	270.2	SIGMA=	2.3	PHAS=	23.9	FOM=	0.45
INDE	-4	3	15	FOBS=	147.5	SIGMA=	4.5	PHAS=	23.8	FOM=	0.20
INDE	-4	3	16	FOBS=	141.3	SIGMA=	4.7	PHAS=	203.9	FOM=	0.19
INDE	-4	3	17	FOBS=	44.1	SIGMA=	19.6	PHAS=	130.6	FOM=	0.09
INDE	-4	4	1	FOBS=	242.2	SIGMA=	1.5	PHAS=	356.3	FOM=	0.99
INDE	-4	4	2	FOBS=	360.4	SIGMA=	1.1	PHAS=	41.5	FOM=	1.00
INDE	-4	4	3	FOBS=	198.9	SIGMA=	1.4	PHAS=	204.4	FOM=	0.96
INDE	-4	4	4	FOBS=	693.0	SIGMA=	0.9	PHAS=	281.3	FOM=	0.82
INDE	-4	4	5	FOBS=	255.9	SIGMA=	1.1	PHAS=	59.3	FOM=	0.45
INDE	-4	4	6	FOBS=	100.5	SIGMA=	3.1	PHAS=	245.4	FOM=	0.90
INDE	-4	4	7	FOBS=	133.6	SIGMA=	2.3	PHAS=	138.1	FOM=	0.63
INDE	-4	4	8	FOBS=	39.7	SIGMA=	9.1	PHAS=	68.2	FOM=	0.36
INDE	-4	4	9	FOBS=	97.9	SIGMA=	4.2	PHAS=	238.8	FOM=	0.76
INDE	-4	4	10	FOBS=	326.1	SIGMA=	1.5	PHAS=	229.6	FOM=	0.93
INDE	-4	4	11	FOBS=	234.6	SIGMA=	2.2	PHAS=	155.9	FOM=	0.21
INDE	-4	4	12	FOBS=	157.8	SIGMA=	3.9	PHAS=	286.3	FOM=	0.85
INDE	-4	4	13	FOBS=	70.3	SIGMA=	9.0	PHAS=	4.2	FOM=	0.19
INDE	-4	4	14	FOBS=	312.4	SIGMA=	2.1	PHAS=	44.6	FOM=	0.86
INDE	-4	4	15	FOBS=	57.1	SIGMA=	12.7	PHAS=	217.4	FOM=	0.13
INDE	-4	4	16	FOBS=	71.3	SIGMA=	9.2	PHAS=	80.3	FOM=	0.09
INDE	-4	4	17	FOBS=	96.0	SIGMA=	8.5	PHAS=	295.1	FOM=	0.02
INDE	-4	5	1	FOBS=	552.6	SIGMA=	1.2	PHAS=	203.9	FOM=	0.99
INDE	-4	5	2	FOBS=	458.9	SIGMA=	1.0	PHAS=	198.6	FOM=	0.64
INDE	-4	5	3	FOBS=	76.1	SIGMA=	4.5	PHAS=	211.7	FOM=	0.83
INDE	-4	5	4	FOBS=	428.7	SIGMA=	0.7	PHAS=	351.2	FOM=	0.98
INDE	-4	5	5	FOBS=	280.4	SIGMA=	1.0	PHAS=	38.7	FOM=	0.86
INDE	-4	5	6	FOBS=	86.6	SIGMA=	3.5	PHAS=	238.9	FOM=	0.80
INDE	-4	5	7	FOBS=	154.5	SIGMA=	2.3	PHAS=	196.0	FOM=	0.92
INDE	-4	5	8	FOBS=	198.6	SIGMA=	1.9	PHAS=	221.0	FOM=	0.57
INDE	-4	5	9	FOBS=	225.2	SIGMA=	1.8	PHAS=	250.7	FOM=	0.40
INDE	-4	5	10	FOBS=	285.5	SIGMA=	1.7	PHAS=	111.7	FOM=	0.66
INDE	-4	5	11	FOBS=	235.8	SIGMA=	2.2	PHAS=	216.4	FOM=	0.19
INDE	-4	5	12	FOBS=	199.1	SIGMA=	2.9	PHAS=	220.6	FOM=	0.28
INDE	-4	5	13	FOBS=	203.4	SIGMA=	3.0	PHAS=	7.8	FOM=	0.62
INDE	-4	5	14	FOBS=	359.7	SIGMA=	1.9	PHAS=	168.9	FOM=	0.90
INDE	-4	5	15	FOBS=	131.1	SIGMA=	5.0	PHAS=	199.3	FOM=	0.20
INDE	-4	5	16	FOBS=	66.5	SIGMA=	9.9	PHAS=	320.5	FOM=	0.20
INDE	-4	6	1	FOBS=	144.7	SIGMA=	1.8	PHAS=	119.6	FOM=	0.93
INDE	-4	6	2	FOBS=	685.8	SIGMA=	0.7	PHAS=	63.8	FOM=	0.96
INDE	-4	6	3	FOBS=	244.9	SIGMA=	2.3	PHAS=	124.4	FOM=	0.98
INDE	-4	6	4	FOBS=	42.5	SIGMA=	5.3	PHAS=	152.6	FOM=	0.85
INDE	-4	6	5	FOBS=	278.7	SIGMA=	1.0	PHAS=	199.0	FOM=	0.90
INDE	-4	6	6	FOBS=	130.2	SIGMA=	2.2	PHAS=	263.8	FOM=	0.66
INDE	-4	6	7	FOBS=	293.8	SIGMA=	1.3	PHAS=	233.1	FOM=	0.70
INDE	-4	6	8	FOBS=	303.4	SIGMA=	1.5	PHAS=	67.1	FOM=	0.88
INDE	-4	6	9	FOBS=	100.0	SIGMA=	4.2	PHAS=	352.6	FOM=	0.79
INDE	-4	6	10	FOBS=	53.3	SIGMA=	9.0	PHAS=	128.5	FOM=	0.47
INDE	-4	6	11	FOBS=	384.9	SIGMA=	1.5	PHAS=	84.8	FOM=	0.90
INDE	-4	6	12	FOBS=	192.2	SIGMA=	2.9	PHAS=	64.8	FOM=	0.77
INDE	-4	6	13	FOBS=	176.3	SIGMA=	3.5	PHAS=	205.7	FOM=	0.78
INDE	-4	6	14	FOBS=	218.7	SIGMA=	2.8	PHAS=	26.3	FOM=	0.18
INDE	-4	6	15	FOBS=	68.6	SIGMA=	9.9	PHAS=	243.1	FOM=	0.18
INDE	-4	6	16	FOBS=	179.1	SIGMA=	3.6	PHAS=	155.1	FOM=	0.23
INDE	-4	7	1	FOBS=	271.3	SIGMA=	1.3	PHAS=	348.5	FOM=	0.45
INDE	-4	7	2	FOBS=	231.1	SIGMA=	1.3	PHAS=	17.0	FOM=	0.77
INDE	-4	7	3	FOBS=	267.1	SIGMA=	2.2	PHAS=	356.5	FOM=	0.90
INDE	-4	7	4	FOBS=	147.0	SIGMA=	3.7	PHAS=	342.3	FOM=	0.54
INDE	-4	7	5	FOBS=	179.4	SIGMA=	1.4	PHAS=	353.4	FOM=	0.69
INDE	-4	7	6	FOBS=	280.0	SIGMA=	1.2	PHAS=	86.2	FOM=	0.96

Fig. 10A-56

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INDE	-4	7	7	FOBS=	305.1	SIGMA=	1.3	PHAS=	12.2	FOM=	0.97
INDE	-4	7	8	FOBS=	138.6	SIGMA=	2.9	PHAS=	29.4	FOM=	0.85
INDE	-4	7	9	FOBS=	145.2	SIGMA=	3.1	PHAS=	297.5	FOM=	0.94
INDE	-4	7	10	FOBS=	120.3	SIGMA=	4.0	PHAS=	291.8	FOM=	0.19
INDE	-4	7	11	FOBS=	245.9	SIGMA=	2.1	PHAS=	225.6	FOM=	0.87
INDE	-4	7	12	FOBS=	93.7	SIGMA=	6.1	PHAS=	127.6	FOM=	0.23
INDE	-4	7	13	FOBS=	244.5	SIGMA=	2.4	PHAS=	330.6	FOM=	0.14
INDE	-4	7	14	FOBS=	68.2	SIGMA=	9.7	PHAS=	340.5	FOM=	0.22
INDE	-4	7	15	FOBS=	106.1	SIGMA=	5.9	PHAS=	199.0	FOM=	0.30
INDE	-4	7	16	FOBS=	126.6	SIGMA=	5.1	PHAS=	52.0	FOM=	0.22
INDE	-4	8	1	FOBS=	298.1	SIGMA=	1.2	PHAS=	257.1	FOM=	0.80
INDE	-4	8	2	FOBS=	166.3	SIGMA=	1.9	PHAS=	264.8	FOM=	0.56
INDE	-4	8	3	FOBS=	264.0	SIGMA=	2.2	PHAS=	185.1	FOM=	0.80
INDE	-4	8	4	FOBS=	113.2	SIGMA=	4.9	PHAS=	314.2	FOM=	0.90
INDE	-4	8	5	FOBS=	187.6	SIGMA=	1.3	PHAS=	196.3	FOM=	0.97
INDE	-4	8	6	FOBS=	139.0	SIGMA=	2.1	PHAS=	58.6	FOM=	0.74
INDE	-4	8	7	FOBS=	114.7	SIGMA=	2.8	PHAS=	335.6	FOM=	0.92
INDE	-4	8	8	FOBS=	339.8	SIGMA=	1.3	PHAS=	234.2	FOM=	0.97
INDE	-4	8	9	FOBS=	63.3	SIGMA=	7.4	PHAS=	323.3	FOM=	0.34
INDE	-4	8	10	FOBS=	430.2	SIGMA=	1.4	PHAS=	319.2	FOM=	0.75
INDE	-4	8	11	FOBS=	366.3	SIGMA=	1.6	PHAS=	225.9	FOM=	0.89
INDE	-4	8	12	FOBS=	345.1	SIGMA=	1.8	PHAS=	32.4	FOM=	0.95
INDE	-4	8	13	FOBS=	84.2	SIGMA=	6.9	PHAS=	31.4	FOM=	0.10
INDE	-4	8	14	FOBS=	104.0	SIGMA=	5.9	PHAS=	284.1	FOM=	0.26
INDE	-4	8	15	FOBS=	67.4	SIGMA=	9.3	PHAS=	156.8	FOM=	0.41
INDE	-4	8	16	FOBS=	81.6	SIGMA=	7.9	PHAS=	295.5	FOM=	0.13
INDE	-4	9	1	FOBS=	154.9	SIGMA=	1.9	PHAS=	130.6	FOM=	0.99
INDE	-4	9	2	FOBS=	234.5	SIGMA=	1.0	PHAS=	336.3	FOM=	0.99
INDE	-4	9	3	FOBS=	180.2	SIGMA=	3.0	PHAS=	78.4	FOM=	0.84
INDE	-4	9	4	FOBS=	178.2	SIGMA=	3.4	PHAS=	156.8	FOM=	0.95
INDE	-4	9	5	FOBS=	166.5	SIGMA=	1.5	PHAS=	69.7	FOM=	0.98
INDE	-4	9	6	FOBS=	329.0	SIGMA=	1.5	PHAS=	68.5	FOM=	0.76
INDE	-4	9	7	FOBS=	251.7	SIGMA=	1.4	PHAS=	311.8	FOM=	0.96
INDE	-4	9	8	FOBS=	132.8	SIGMA=	2.8	PHAS=	14.9	FOM=	0.73
INDE	-4	9	9	FOBS=	461.5	SIGMA=	1.3	PHAS=	50.0	FOM=	0.07
INDE	-4	9	10	FOBS=	189.6	SIGMA=	2.7	PHAS=	157.3	FOM=	0.83
INDE	-4	9	11	FOBS=	142.9	SIGMA=	4.1	PHAS=	179.1	FOM=	0.73
INDE	-4	9	12	FOBS=	133.2	SIGMA=	4.4	PHAS=	21.9	FOM=	0.13
INDE	-4	9	13	FOBS=	311.5	SIGMA=	2.0	PHAS=	5.8	FOM=	0.90
INDE	-4	9	14	FOBS=	189.8	SIGMA=	3.2	PHAS=	186.7	FOM=	0.80
INDE	-4	9	15	FOBS=	125.5	SIGMA=	4.9	PHAS=	231.9	FOM=	0.10
INDE	-4	9	16	FOBS=	139.0	SIGMA=	4.6	PHAS=	87.7	FOM=	0.53
INDE	-4	10	1	FOBS=	125.1	SIGMA=	2.1	PHAS=	152.5	FOM=	0.95
INDE	-4	10	2	FOBS=	111.3	SIGMA=	2.4	PHAS=	231.2	FOM=	0.98
INDE	-4	10	3	FOBS=	159.5	SIGMA=	2.3	PHAS=	175.3	FOM=	0.90
INDE	-4	10	4	FOBS=	57.9	SIGMA=	6.9	PHAS=	170.6	FOM=	0.23
INDE	-4	10	5	FOBS=	161.3	SIGMA=	1.7	PHAS=	306.2	FOM=	0.98
INDE	-4	10	6	FOBS=	233.1	SIGMA=	1.6	PHAS=	98.4	FOM=	0.97
INDE	-4	10	7	FOBS=	186.2	SIGMA=	2.2	PHAS=	237.0	FOM=	0.97
INDE	-4	10	8	FOBS=	152.6	SIGMA=	2.5	PHAS=	269.2	FOM=	0.64
INDE	-4	10	9	FOBS=	345.5	SIGMA=	1.5	PHAS=	19.8	FOM=	0.87
INDE	-4	10	10	FOBS=	299.9	SIGMA=	1.8	PHAS=	287.1	FOM=	0.96
INDE	-4	10	11	FOBS=	170.3	SIGMA=	3.5	PHAS=	157.2	FOM=	0.70
INDE	-4	10	12	FOBS=	70.6	SIGMA=	8.6	PHAS=	265.0	FOM=	0.29
INDE	-4	10	13	FOBS=	240.8	SIGMA=	2.4	PHAS=	225.2	FOM=	0.38
INDE	-4	10	14	FOBS=	80.8	SIGMA=	7.3	PHAS=	102.4	FOM=	0.31
INDE	-4	10	15	FOBS=	82.5	SIGMA=	7.9	PHAS=	234.5	FOM=	0.75
INDE	-4	10	16	FOBS=	156.2	SIGMA=	4.1	PHAS=	329.2	FOM=	0.47
INDE	-4	11	1	FOBS=	203.9	SIGMA=	1.4	PHAS=	100.1	FOM=	0.96
INDE	-4	11	2	FOBS=	117.5	SIGMA=	2.8	PHAS=	311.1	FOM=	0.93
INDE	-4	11	3	FOBS=	188.7	SIGMA=	1.2	PHAS=	55.9	FOM=	0.97
INDE	-4	11	4	FOBS=	153.8	SIGMA=	2.6	PHAS=	276.0	FOM=	0.84
INDE	-4	11	5	FOBS=	236.4	SIGMA=	1.2	PHAS=	153.4	FOM=	1.00
INDE	-4	11	6	FOBS=	135.4	SIGMA=	3.0	PHAS=	184.2	FOM=	0.91
INDE	-4	11	7	FOBS=	621.8	SIGMA=	0.9	PHAS=	213.6	FOM=	0.92
INDE	-4	11	8	FOBS=	312.0	SIGMA=	1.6	PHAS=	56.6	FOM=	0.97
INDE	-4	11	9	FOBS=	155.1	SIGMA=	2.7	PHAS=	309.1	FOM=	0.91
INDE	-4	11	10	FOBS=	277.4	SIGMA=	1.8	PHAS=	263.0	FOM=	0.84
INDE	-4	11	11	FOBS=	219.7	SIGMA=	2.8	PHAS=	230.7	FOM=	0.46
INDE	-4	11	12	FOBS=	322.8	SIGMA=	2.2	PHAS=	38.2	FOM=	0.87
INDE	-4	11	13	FOBS=	177.5	SIGMA=	3.3	PHAS=	50.0	FOM=	0.66

Fig. 10A-57



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INDE	-4	11	14	FOBS=	138.6	SIGMA=	4.5	PHAS=	194.8	FOM=	0.54
INDE	-4	11	15	FOBS=	71.3	SIGMA=	8.2	PHAS=	339.1	FOM=	0.01
INDE	-4	11	16	FOBS=	149.3	SIGMA=	4.2	PHAS=	226.7	FOM=	0.22
INDE	-4	12	1	FOBS=	32.1	SIGMA=	8.5	PHAS=	63.4	FOM=	0.21
INDE	-4	12	2	FOBS=	72.7	SIGMA=	5.1	PHAS=	264.1	FOM=	0.84
INDE	-4	12	3	FOBS=	50.0	SIGMA=	4.7	PHAS=	142.8	FOM=	0.79
INDE	-4	12	4	FOBS=	144.4	SIGMA=	2.0	PHAS=	288.4	FOM=	0.93
INDE	-4	12	5	FOBS=	177.5	SIGMA=	2.0	PHAS=	115.5	FOM=	0.84
INDE	-4	12	6	FOBS=	135.1	SIGMA=	2.5	PHAS=	286.7	FOM=	0.96
INDE	-4	12	7	FOBS=	201.4	SIGMA=	1.9	PHAS=	34.7	FOM=	0.99
INDE	-4	12	8	FOBS=	261.5	SIGMA=	1.7	PHAS=	87.0	FOM=	1.00
INDE	-4	12	9	FOBS=	206.0	SIGMA=	2.4	PHAS=	251.5	FOM=	0.86
INDE	-4	12	10	FOBS=	314.6	SIGMA=	1.9	PHAS=	1.0	FOM=	0.96
INDE	-4	12	11	FOBS=	144.7	SIGMA=	4.0	PHAS=	15.9	FOM=	0.80
INDE	-4	12	12	FOBS=	103.2	SIGMA=	6.5	PHAS=	343.3	FOM=	0.03
INDE	-4	12	13	FOBS=	201.9	SIGMA=	3.1	PHAS=	37.1	FOM=	0.81
INDE	-4	12	14	FOBS=	172.7	SIGMA=	3.4	PHAS=	191.3	FOM=	0.83
INDE	-4	12	15	FOBS=	250.8	SIGMA=	2.3	PHAS=	85.1	FOM=	0.61
INDE	-4	12	16	FOBS=	111.5	SIGMA=	73.2	PHAS=	99.0	FOM=	0.04
INDE	-4	13	1	FOBS=	316.4	SIGMA=	1.3	PHAS=	171.2	FOM=	0.97
INDE	-4	13	2	FOBS=	70.4	SIGMA=	3.9	PHAS=	342.3	FOM=	0.33
INDE	-4	13	3	FOBS=	194.9	SIGMA=	1.5	PHAS=	308.3	FOM=	0.98
INDE	-4	13	4	FOBS=	186.2	SIGMA=	1.5	PHAS=	207.2	FOM=	0.96
INDE	-4	13	5	FOBS=	194.6	SIGMA=	1.6	PHAS=	303.7	FOM=	0.98
INDE	-4	13	6	FOBS=	243.9	SIGMA=	1.5	PHAS=	120.5	FOM=	0.96
INDE	-4	13	7	FOBS=	126.3	SIGMA=	3.0	PHAS=	264.5	FOM=	0.95
INDE	-4	13	8	FOBS=	247.7	SIGMA=	1.8	PHAS=	201.9	FOM=	0.98
INDE	-4	13	9	FOBS=	234.1	SIGMA=	1.9	PHAS=	328.0	FOM=	0.99
INDE	-4	13	10	FOBS=	261.5	SIGMA=	2.1	PHAS=	59.5	FOM=	0.86
INDE	-4	13	11	FOBS=	179.1	SIGMA=	3.4	PHAS=	145.6	FOM=	0.58
INDE	-4	13	12	FOBS=	196.0	SIGMA=	3.0	PHAS=	64.4	FOM=	0.91
INDE	-4	13	13	FOBS=	267.3	SIGMA=	2.5	PHAS=	85.6	FOM=	0.81
INDE	-4	13	14	FOBS=	83.5	SIGMA=	7.1	PHAS=	113.2	FOM=	0.14
INDE	-4	13	15	FOBS=	72.3	SIGMA=	8.1	PHAS=	136.5	FOM=	0.10
INDE	-4	14	1	FOBS=	279.4	SIGMA=	1.2	PHAS=	209.7	FOM=	0.87
INDE	-4	14	2	FOBS=	161.7	SIGMA=	1.8	PHAS=	104.3	FOM=	0.97
INDE	-4	14	3	FOBS=	121.2	SIGMA=	2.5	PHAS=	153.6	FOM=	0.98
INDE	-4	14	4	FOBS=	174.5	SIGMA=	1.8	PHAS=	243.3	FOM=	0.97
INDE	-4	14	5	FOBS=	248.8	SIGMA=	1.3	PHAS=	55.4	FOM=	0.46
INDE	-4	14	6	FOBS=	353.5	SIGMA=	1.4	PHAS=	179.8	FOM=	0.98
INDE	-4	14	7	FOBS=	336.1	SIGMA=	1.5	PHAS=	299.4	FOM=	0.99
INDE	-4	14	8	FOBS=	252.2	SIGMA=	1.8	PHAS=	195.8	FOM=	0.86
INDE	-4	14	9	FOBS=	323.8	SIGMA=	1.6	PHAS=	4.1	FOM=	0.97
INDE	-4	14	10	FOBS=	370.0	SIGMA=	1.6	PHAS=	18.3	FOM=	1.00
INDE	-4	14	11	FOBS=	172.8	SIGMA=	3.1	PHAS=	343.7	FOM=	0.90
INDE	-4	14	12	FOBS=	158.3	SIGMA=	4.2	PHAS=	218.3	FOM=	0.82
INDE	-4	14	13	FOBS=	182.1	SIGMA=	4.0	PHAS=	86.0	FOM=	0.32
INDE	-4	14	14	FOBS=	152.2	SIGMA=	4.9	PHAS=	339.9	FOM=	0.46
INDE	-4	14	15	FOBS=	121.5	SIGMA=	4.8	PHAS=	205.8	FOM=	0.70
INDE	-4	15	1	FOBS=	44.8	SIGMA=	7.7	PHAS=	258.5	FOM=	0.44
INDE	-4	15	2	FOBS=	132.8	SIGMA=	2.3	PHAS=	134.2	FOM=	0.74
INDE	-4	15	3	FOBS=	619.5	SIGMA=	0.8	PHAS=	14.6	FOM=	0.98
INDE	-4	15	4	FOBS=	154.5	SIGMA=	2.0	PHAS=	150.1	FOM=	1.00
INDE	-4	15	5	FOBS=	216.0	SIGMA=	1.6	PHAS=	178.4	FOM=	0.85
INDE	-4	15	6	FOBS=	296.7	SIGMA=	1.3	PHAS=	221.9	FOM=	0.99
INDE	-4	15	7	FOBS=	225.6	SIGMA=	2.0	PHAS=	345.6	FOM=	0.89
INDE	-4	15	8	FOBS=	143.6	SIGMA=	3.0	PHAS=	237.2	FOM=	0.72
INDE	-4	15	9	FOBS=	529.8	SIGMA=	1.2	PHAS=	4.4	FOM=	0.94
INDE	-4	15	10	FOBS=	279.8	SIGMA=	2.1	PHAS=	171.8	FOM=	0.96
INDE	-4	15	11	FOBS=	87.5	SIGMA=	6.4	PHAS=	308.3	FOM=	0.40
INDE	-4	15	12	FOBS=	113.5	SIGMA=	5.0	PHAS=	316.8	FOM=	0.49
INDE	-4	15	13	FOBS=	173.7	SIGMA=	3.4	PHAS=	106.8	FOM=	0.92
INDE	-4	15	14	FOBS=	118.4	SIGMA=	6.2	PHAS=	302.4	FOM=	0.25
INDE	-4	15	15	FOBS=	47.4	SIGMA=	15.6	PHAS=	160.9	FOM=	0.10
INDE	-4	16	1	FOBS=	339.4	SIGMA=	1.5	PHAS=	248.9	FOM=	0.95
INDE	-4	16	2	FOBS=	333.7	SIGMA=	1.3	PHAS=	312.3	FOM=	0.99
INDE	-4	16	3	FOBS=	262.7	SIGMA=	1.4	PHAS=	167.1	FOM=	0.63
INDE	-4	16	4	FOBS=	605.3	SIGMA=	1.1	PHAS=	281.8	FOM=	1.00
INDE	-4	16	5	FOBS=	259.0	SIGMA=	1.4	PHAS=	54.4	FOM=	0.96
INDE	-4	16	6	FOBS=	370.2	SIGMA=	1.2	PHAS=	232.0	FOM=	0.76
INDE	-4	16	7	FOBS=	264.1	SIGMA=	2.1	PHAS=	35.6	FOM=	0.96

**Fig. 10A-58**

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INDE	-4	16	8	FOBS=	216.4	SIGMA=	2.1	PHAS=	149.6	FOM=	0.97
INDE	-4	16	9	FOBS=	291.5	SIGMA=	1.8	PHAS=	286.0	FOM=	0.66
INDE	-4	16	10	FOBS=	172.4	SIGMA=	2.9	PHAS=	113.3	FOM=	0.74
INDE	-4	16	11	FOBS=	107.3	SIGMA=	4.9	PHAS=	24.5	FOM=	0.56
INDE	-4	16	12	FOBS=	84.7	SIGMA=	6.3	PHAS=	295.0	FOM=	0.61
INDE	-4	16	13	FOBS=	120.7	SIGMA=	4.7	PHAS=	195.0	FOM=	0.39
INDE	-4	16	14	FOBS=	36.0	SIGMA=	15.3	PHAS=	274.3	FOM=	0.05
INDE	-4	16	15	FOBS=	66.9	SIGMA=	13.2	PHAS=	25.8	FOM=	0.13
INDE	-4	17	1	FOBS=	322.1	SIGMA=	1.6	PHAS=	316.4	FOM=	0.97
INDE	-4	17	2	FOBS=	432.5	SIGMA=	1.1	PHAS=	299.6	FOM=	0.96
INDE	-4	17	3	FOBS=	489.6	SIGMA=	1.1	PHAS=	196.4	FOM=	1.00
INDE	-4	17	4	FOBS=	527.6	SIGMA=	1.0	PHAS=	24.0	FOM=	0.94
INDE	-4	17	5	FOBS=	120.8	SIGMA=	2.9	PHAS=	249.4	FOM=	0.42
INDE	-4	17	6	FOBS=	450.9	SIGMA=	1.5	PHAS=	282.1	FOM=	0.96
INDE	-4	17	7	FOBS=	189.0	SIGMA=	2.2	PHAS=	233.1	FOM=	0.85
INDE	-4	17	8	FOBS=	208.6	SIGMA=	2.2	PHAS=	14.1	FOM=	0.95
INDE	-4	17	9	FOBS=	396.6	SIGMA=	1.5	PHAS=	30.3	FOM=	0.98
INDE	-4	17	10	FOBS=	58.8	SIGMA=	9.1	PHAS=	42.2	FOM=	0.08
INDE	-4	17	11	FOBS=	134.8	SIGMA=	4.3	PHAS=	109.4	FOM=	0.78
INDE	-4	17	12	FOBS=	147.4	SIGMA=	3.9	PHAS=	196.2	FOM=	0.69
INDE	-4	17	13	FOBS=	88.8	SIGMA=	6.2	PHAS=	51.5	FOM=	0.18
INDE	-4	17	14	FOBS=	66.7	SIGMA=	8.1	PHAS=	352.2	FOM=	0.10
INDE	-4	18	1	FOBS=	490.5	SIGMA=	1.3	PHAS=	304.8	FOM=	0.92
INDE	-4	18	2	FOBS=	287.3	SIGMA=	1.4	PHAS=	204.4	FOM=	0.98
INDE	-4	18	3	FOBS=	424.7	SIGMA=	1.1	PHAS=	17.0	FOM=	0.91
INDE	-4	18	4	FOBS=	442.6	SIGMA=	1.2	PHAS=	189.7	FOM=	0.93
INDE	-4	18	5	FOBS=	256.9	SIGMA=	1.6	PHAS=	186.8	FOM=	0.97
INDE	-4	18	6	FOBS=	612.1	SIGMA=	1.4	PHAS=	1.5	FOM=	0.97
INDE	-4	18	7	FOBS=	376.5	SIGMA=	1.4	PHAS=	341.8	FOM=	0.82
INDE	-4	18	8	FOBS=	129.9	SIGMA=	4.6	PHAS=	201.6	FOM=	0.44
INDE	-4	18	9	FOBS=	282.6	SIGMA=	1.8	PHAS=	313.7	FOM=	0.37
INDE	-4	18	10	FOBS=	130.1	SIGMA=	4.1	PHAS=	348.8	FOM=	0.61
INDE	-4	18	11	FOBS=	77.3	SIGMA=	6.7	PHAS=	100.6	FOM=	0.29
INDE	-4	18	12	FOBS=	186.9	SIGMA=	2.9	PHAS=	108.5	FOM=	0.37
INDE	-4	18	13	FOBS=	34.8	SIGMA=	11.9	PHAS=	340.8	FOM=	0.30
INDE	-4	18	14	FOBS=	149.9	SIGMA=	3.7	PHAS=	137.4	FOM=	0.27
INDE	-4	19	1	FOBS=	138.3	SIGMA=	2.7	PHAS=	22.0	FOM=	0.35
INDE	-4	19	2	FOBS=	645.8	SIGMA=	1.2	PHAS=	181.8	FOM=	0.09
INDE	-4	19	3	FOBS=	138.4	SIGMA=	2.5	PHAS=	80.8	FOM=	0.93
INDE	-4	19	4	FOBS=	99.0	SIGMA=	4.2	PHAS=	94.2	FOM=	0.47
INDE	-4	19	5	FOBS=	359.5	SIGMA=	1.4	PHAS=	241.8	FOM=	0.96
INDE	-4	19	6	FOBS=	352.4	SIGMA=	1.5	PHAS=	250.2	FOM=	0.79
INDE	-4	19	7	FOBS=	216.0	SIGMA=	2.1	PHAS=	208.9	FOM=	0.51
INDE	-4	19	8	FOBS=	225.2	SIGMA=	2.7	PHAS=	32.7	FOM=	0.36
INDE	-4	19	9	FOBS=	187.7	SIGMA=	2.6	PHAS=	276.9	FOM=	0.72
INDE	-4	19	10	FOBS=	385.1	SIGMA=	1.5	PHAS=	276.2	FOM=	0.67
INDE	-4	19	11	FOBS=	185.5	SIGMA=	2.8	PHAS=	287.9	FOM=	0.72
INDE	-4	19	12	FOBS=	68.0	SIGMA=	8.1	PHAS=	357.0	FOM=	0.23
INDE	-4	19	13	FOBS=	164.2	SIGMA=	3.4	PHAS=	131.6	FOM=	0.43
INDE	-4	19	14	FOBS=	73.0	SIGMA=	8.3	PHAS=	246.6	FOM=	0.27
INDE	-4	20	1	FOBS=	210.0	SIGMA=	1.9	PHAS=	325.3	FOM=	0.91
INDE	-4	20	2	FOBS=	118.5	SIGMA=	3.5	PHAS=	233.3	FOM=	0.24
INDE	-4	20	3	FOBS=	342.6	SIGMA=	1.4	PHAS=	276.8	FOM=	0.80
INDE	-4	20	4	FOBS=	361.4	SIGMA=	1.7	PHAS=	241.7	FOM=	0.95
INDE	-4	20	5	FOBS=	320.7	SIGMA=	1.4	PHAS=	49.2	FOM=	0.68
INDE	-4	20	6	FOBS=	200.7	SIGMA=	2.2	PHAS=	113.3	FOM=	0.83
INDE	-4	20	7	FOBS=	195.1	SIGMA=	2.3	PHAS=	285.1	FOM=	0.93
INDE	-4	20	8	FOBS=	445.8	SIGMA=	1.5	PHAS=	63.6	FOM=	1.00
INDE	-4	20	9	FOBS=	194.2	SIGMA=	2.5	PHAS=	227.6	FOM=	0.21
INDE	-4	20	10	FOBS=	83.1	SIGMA=	6.2	PHAS=	275.5	FOM=	0.56
INDE	-4	20	11	FOBS=	203.7	SIGMA=	2.5	PHAS=	3.3	FOM=	0.95
INDE	-4	20	12	FOBS=	105.1	SIGMA=	5.0	PHAS=	27.6	FOM=	0.73
INDE	-4	20	13	FOBS=	118.5	SIGMA=	4.5	PHAS=	139.4	FOM=	0.22
INDE	-4	21	1	FOBS=	67.3	SIGMA=	5.9	PHAS=	302.6	FOM=	0.44
INDE	-4	21	2	FOBS=	87.1	SIGMA=	4.4	PHAS=	181.4	FOM=	0.63
INDE	-4	21	3	FOBS=	268.8	SIGMA=	1.7	PHAS=	177.9	FOM=	0.96
INDE	-4	21	4	FOBS=	460.0	SIGMA=	1.7	PHAS=	317.0	FOM=	0.83
INDE	-4	21	5	FOBS=	187.0	SIGMA=	2.1	PHAS=	254.8	FOM=	0.87
INDE	-4	21	6	FOBS=	96.3	SIGMA=	4.8	PHAS=	233.2	FOM=	0.86
INDE	-4	21	7	FOBS=	148.4	SIGMA=	3.2	PHAS=	88.5	FOM=	0.91
INDE	-4	21	8	FOBS=	152.6	SIGMA=	3.0	PHAS=	281.5	FOM=	0.94

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INDE	-4	21	9	FOBS=	212.5	SIGMA=	2.8	PHAS=	111.3	FOM=	0.97
INDE	-4	21	10	FOBS=	315.3	SIGMA=	1.7	PHAS=	72.7	FOM=	0.96
INDE	-4	21	11	FOBS=	190.6	SIGMA=	2.6	PHAS=	211.2	FOM=	0.14
INDE	-4	21	12	FOBS=	159.3	SIGMA=	3.3	PHAS=	220.5	FOM=	0.33
INDE	-4	21	13	FOBS=	149.7	SIGMA=	3.6	PHAS=	221.0	FOM=	0.08
INDE	-4	22	1	FOBS=	262.3	SIGMA=	1.7	PHAS=	221.3	FOM=	0.84
INDE	-4	22	2	FOBS=	198.0	SIGMA=	2.2	PHAS=	184.0	FOM=	0.94
INDE	-4	22	3	FOBS=	50.6	SIGMA=	7.9	PHAS=	74.3	FOM=	0.32
INDE	-4	22	4	FOBS=	206.0	SIGMA=	3.1	PHAS=	70.2	FOM=	0.69
INDE	-4	22	5	FOBS=	59.9	SIGMA=	7.4	PHAS=	249.1	FOM=	0.39
INDE	-4	22	6	FOBS=	228.8	SIGMA=	2.1	PHAS=	39.9	FOM=	0.97
INDE	-4	22	7	FOBS=	230.4	SIGMA=	2.2	PHAS=	216.2	FOM=	0.98
INDE	-4	22	8	FOBS=	91.4	SIGMA=	4.7	PHAS=	211.0	FOM=	0.60
INDE	-4	22	9	FOBS=	335.8	SIGMA=	1.9	PHAS=	158.2	FOM=	0.94
INDE	-4	22	10	FOBS=	157.0	SIGMA=	3.0	PHAS=	250.5	FOM=	0.90
INDE	-4	22	11	FOBS=	157.8	SIGMA=	3.4	PHAS=	139.3	FOM=	0.85
INDE	-4	22	12	FOBS=	116.5	SIGMA=	4.3	PHAS=	131.3	FOM=	0.57
INDE	-4	23	1	FOBS=	151.9	SIGMA=	2.7	PHAS=	122.4	FOM=	0.97
INDE	-4	23	2	FOBS=	402.4	SIGMA=	1.3	PHAS=	41.0	FOM=	0.32
INDE	-4	23	3	FOBS=	205.7	SIGMA=	2.1	PHAS=	62.1	FOM=	0.98
INDE	-4	23	4	FOBS=	170.6	SIGMA=	3.6	PHAS=	191.9	FOM=	0.55
INDE	-4	23	5	FOBS=	109.8	SIGMA=	4.1	PHAS=	188.5	FOM=	0.72
INDE	-4	23	6	FOBS=	153.2	SIGMA=	2.9	PHAS=	223.4	FOM=	0.94
INDE	-4	23	7	FOBS=	264.6	SIGMA=	1.9	PHAS=	162.9	FOM=	0.97
INDE	-4	23	8	FOBS=	196.7	SIGMA=	2.3	PHAS=	344.6	FOM=	0.80
INDE	-4	23	9	FOBS=	269.6	SIGMA=	2.1	PHAS=	175.2	FOM=	0.86
INDE	-4	23	10	FOBS=	181.0	SIGMA=	2.8	PHAS=	210.4	FOM=	0.76
INDE	-4	23	11	FOBS=	58.1	SIGMA=	8.2	PHAS=	294.5	FOM=	0.05
INDE	-4	23	12	FOBS=	65.4	SIGMA=	7.6	PHAS=	268.3	FOM=	0.21
INDE	-4	24	1	FOBS=	53.2	SIGMA=	8.5	PHAS=	287.6	FOM=	0.18
INDE	-4	24	2	FOBS=	197.0	SIGMA=	2.3	PHAS=	341.2	FOM=	0.96
INDE	-4	24	3	FOBS=	208.9	SIGMA=	2.1	PHAS=	232.0	FOM=	0.97
INDE	-4	24	4	FOBS=	353.0	SIGMA=	1.7	PHAS=	95.8	FOM=	0.82
INDE	-4	24	5	FOBS=	343.3	SIGMA=	1.4	PHAS=	52.2	FOM=	0.73
INDE	-4	24	6	FOBS=	410.4	SIGMA=	1.5	PHAS=	141.6	FOM=	0.96
INDE	-4	24	7	FOBS=	199.7	SIGMA=	2.4	PHAS=	310.8	FOM=	0.86
INDE	-4	24	8	FOBS=	74.8	SIGMA=	5.8	PHAS=	172.6	FOM=	0.47
INDE	-4	24	9	FOBS=	72.8	SIGMA=	5.9	PHAS=	37.9	FOM=	0.10
INDE	-4	24	10	FOBS=	178.7	SIGMA=	3.2	PHAS=	317.3	FOM=	0.61
INDE	-4	24	11	FOBS=	171.8	SIGMA=	2.8	PHAS=	209.7	FOM=	0.45
INDE	-4	25	1	FOBS=	311.6	SIGMA=	1.6	PHAS=	356.3	FOM=	0.99
INDE	-4	25	2	FOBS=	179.6	SIGMA=	2.5	PHAS=	17.8	FOM=	0.80
INDE	-4	25	3	FOBS=	200.5	SIGMA=	2.1	PHAS=	183.1	FOM=	0.76
INDE	-4	25	4	FOBS=	135.1	SIGMA=	4.0	PHAS=	9.3	FOM=	0.92
INDE	-4	25	5	FOBS=	324.6	SIGMA=	1.4	PHAS=	253.1	FOM=	0.99
INDE	-4	25	6	FOBS=	83.8	SIGMA=	5.2	PHAS=	9.6	FOM=	0.24
INDE	-4	25	7	FOBS=	235.4	SIGMA=	2.2	PHAS=	82.2	FOM=	0.84
INDE	-4	25	8	FOBS=	120.6	SIGMA=	3.7	PHAS=	161.1	FOM=	0.83
INDE	-4	25	9	FOBS=	192.8	SIGMA=	2.2	PHAS=	333.2	FOM=	0.82
INDE	-4	25	10	FOBS=	231.1	SIGMA=	2.3	PHAS=	291.6	FOM=	0.62
INDE	-4	25	11	FOBS=	88.1	SIGMA=	5.4	PHAS=	294.3	FOM=	0.26
INDE	-4	26	1	FOBS=	128.9	SIGMA=	3.4	PHAS=	21.0	FOM=	0.03
INDE	-4	26	2	FOBS=	96.5	SIGMA=	4.4	PHAS=	357.3	FOM=	0.82
INDE	-4	26	3	FOBS=	307.6	SIGMA=	1.6	PHAS=	261.6	FOM=	1.00
INDE	-4	26	4	FOBS=	135.4	SIGMA=	4.0	PHAS=	102.0	FOM=	0.90
INDE	-4	26	5	FOBS=	211.1	SIGMA=	2.0	PHAS=	165.5	FOM=	0.92
INDE	-4	26	6	FOBS=	188.6	SIGMA=	2.3	PHAS=	192.7	FOM=	0.39
INDE	-4	26	7	FOBS=	200.4	SIGMA=	2.4	PHAS=	55.1	FOM=	0.83
INDE	-4	26	8	FOBS=	146.9	SIGMA=	3.6	PHAS=	221.0	FOM=	0.93
INDE	-4	26	9	FOBS=	141.9	SIGMA=	3.1	PHAS=	75.2	FOM=	0.85
INDE	-4	26	10	FOBS=	121.9	SIGMA=	4.1	PHAS=	226.9	FOM=	0.74
INDE	-4	27	1	FOBS=	56.0	SIGMA=	7.4	PHAS=	333.0	FOM=	0.05
INDE	-4	27	2	FOBS=	104.4	SIGMA=	4.1	PHAS=	56.2	FOM=	0.49
INDE	-4	27	3	FOBS=	101.5	SIGMA=	4.1	PHAS=	157.7	FOM=	0.37
INDE	-4	27	4	FOBS=	116.6	SIGMA=	4.0	PHAS=	277.1	FOM=	0.59
INDE	-4	27	5	FOBS=	102.5	SIGMA=	4.0	PHAS=	95.2	FOM=	0.78
INDE	-4	27	6	FOBS=	119.0	SIGMA=	3.4	PHAS=	103.0	FOM=	0.84
INDE	-4	27	7	FOBS=	170.9	SIGMA=	2.6	PHAS=	43.5	FOM=	0.33
INDE	-4	27	8	FOBS=	241.7	SIGMA=	2.2	PHAS=	66.9	FOM=	0.95
INDE	-4	27	9	FOBS=	160.8	SIGMA=	3.3	PHAS=	355.2	FOM=	0.92
INDE	-4	27	10	FOBS=	111.0	SIGMA=	19.6	PHAS=	214.8	FOM=	0.02

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INDE	-4	28	1	FOBS=	162.1	SIGMA=	2.7	PHAS=	32.5	FOM=	0.28
INDE	-4	28	2	FOBS=	36.6	SIGMA=	17.7	PHAS=	22.0	FOM=	0.24
INDE	-4	28	3	FOBS=	117.2	SIGMA=	4.2	PHAS=	211.8	FOM=	0.91
INDE	-4	28	4	FOBS=	242.8	SIGMA=	1.9	PHAS=	92.9	FOM=	1.00
INDE	-4	28	5	FOBS=	153.7	SIGMA=	2.4	PHAS=	151.4	FOM=	0.97
INDE	-4	28	6	FOBS=	132.8	SIGMA=	3.2	PHAS=	192.6	FOM=	0.70
INDE	-4	28	7	FOBS=	187.1	SIGMA=	2.3	PHAS=	19.9	FOM=	0.92
INDE	-4	28	8	FOBS=	148.1	SIGMA=	2.7	PHAS=	160.2	FOM=	0.94
INDE	-4	28	9	FOBS=	97.7	SIGMA=	4.9	PHAS=	13.0	FOM=	0.01
INDE	-4	29	1	FOBS=	196.3	SIGMA=	2.2	PHAS=	235.9	FOM=	0.90
INDE	-4	29	2	FOBS=	117.6	SIGMA=	3.6	PHAS=	209.3	FOM=	0.86
INDE	-4	29	3	FOBS=	191.2	SIGMA=	2.4	PHAS=	133.5	FOM=	0.78
INDE	-4	29	4	FOBS=	124.7	SIGMA=	3.6	PHAS=	343.1	FOM=	0.91
INDE	-4	29	5	FOBS=	32.7	SIGMA=	14.0	PHAS=	206.8	FOM=	0.29
INDE	-4	29	6	FOBS=	184.9	SIGMA=	2.2	PHAS=	268.5	FOM=	0.54
INDE	-4	29	7	FOBS=	73.0	SIGMA=	5.5	PHAS=	143.7	FOM=	0.31
INDE	-4	29	8	FOBS=	244.8	SIGMA=	1.9	PHAS=	277.1	FOM=	0.96
INDE	-4	30	1	FOBS=	30.7	SIGMA=	16.7	PHAS=	241.4	FOM=	0.12
INDE	-4	30	2	FOBS=	148.8	SIGMA=	2.9	PHAS=	239.5	FOM=	0.85
INDE	-4	30	3	FOBS=	41.0	SIGMA=	11.6	PHAS=	301.4	FOM=	0.45
INDE	-4	30	4	FOBS=	197.2	SIGMA=	2.1	PHAS=	282.3	FOM=	0.54
INDE	-4	30	5	FOBS=	205.7	SIGMA=	2.3	PHAS=	230.1	FOM=	0.80
INDE	-4	30	6	FOBS=	180.0	SIGMA=	2.4	PHAS=	153.0	FOM=	0.79
INDE	-4	30	7	FOBS=	147.9	SIGMA=	3.1	PHAS=	19.0	FOM=	0.61
INDE	-4	31	1	FOBS=	68.6	SIGMA=	5.8	PHAS=	138.3	FOM=	0.03
INDE	-4	31	2	FOBS=	163.5	SIGMA=	2.6	PHAS=	213.3	FOM=	0.41
INDE	-4	31	3	FOBS=	133.0	SIGMA=	3.7	PHAS=	19.0	FOM=	0.87
INDE	-4	31	4	FOBS=	88.0	SIGMA=	4.4	PHAS=	51.3	FOM=	0.33
INDE	-4	31	5	FOBS=	83.6	SIGMA=	5.5	PHAS=	171.2	FOM=	0.29
INDE	-4	32	1	FOBS=	63.1	SIGMA=	6.8	PHAS=	271.9	FOM=	0.20
INDE	-4	32	2	FOBS=	133.0	SIGMA=	3.2	PHAS=	39.5	FOM=	0.77
INDE	-4	32	3	FOBS=	242.8	SIGMA=	2.0	PHAS=	312.3	FOM=	0.91
INDE	-4	32	4	FOBS=	84.8	SIGMA=	52.3	PHAS=	346.7	FOM=	0.08
INDE	-3	0	1	FOBS=	35.4	SIGMA=	7.2	PHAS=	180.0	FOM=	0.50
INDE	-3	0	2	FOBS=	78.5	SIGMA=	4.0	PHAS=	0.0	FOM=	0.99
INDE	-3	0	3	FOBS=	44.1	SIGMA=	6.3	PHAS=	180.0	FOM=	0.02
INDE	-3	0	4	FOBS=	86.7	SIGMA=	4.7	PHAS=	180.0	FOM=	1.00
INDE	-3	0	5	FOBS=	485.8	SIGMA=	1.3	PHAS=	180.0	FOM=	1.00
INDE	-3	0	6	FOBS=	22.6	SIGMA=	10.6	PHAS=	180.0	FOM=	0.19
INDE	-3	0	7	FOBS=	184.6	SIGMA=	2.5	PHAS=	180.0	FOM=	0.73
INDE	-3	0	8	FOBS=	56.1	SIGMA=	10.6	PHAS=	0.0	FOM=	0.40
INDE	-3	0	9	FOBS=	550.7	SIGMA=	1.5	PHAS=	180.0	FOM=	1.00
INDE	-3	0	10	FOBS=	549.1	SIGMA=	1.6	PHAS=	0.0	FOM=	1.00
INDE	-3	0	11	FOBS=	261.3	SIGMA=	3.0	PHAS=	180.0	FOM=	0.71
INDE	-3	0	12	FOBS=	186.6	SIGMA=	4.7	PHAS=	0.0	FOM=	0.40
INDE	-3	0	13	FOBS=	171.8	SIGMA=	5.4	PHAS=	0.0	FOM=	0.02
INDE	-3	0	14	FOBS=	277.8	SIGMA=	3.5	PHAS=	180.0	FOM=	0.57
INDE	-3	0	15	FOBS=	273.2	SIGMA=	3.5	PHAS=	0.0	FOM=	0.84
INDE	-3	0	16	FOBS=	40.8	SIGMA=	25.3	PHAS=	180.0	FOM=	0.05
INDE	-3	0	17	FOBS=	66.4	SIGMA=	14.8	PHAS=	180.0	FOM=	0.05
INDE	-3	1	1	FOBS=	320.1	SIGMA=	0.7	PHAS=	324.7	FOM=	0.83
INDE	-3	1	2	FOBS=	274.5	SIGMA=	1.2	PHAS=	17.8	FOM=	0.85
INDE	-3	1	3	FOBS=	366.1	SIGMA=	1.0	PHAS=	283.9	FOM=	0.86
INDE	-3	1	4	FOBS=	550.8	SIGMA=	1.0	PHAS=	229.2	FOM=	0.82
INDE	-3	1	5	FOBS=	95.2	SIGMA=	2.7	PHAS=	296.6	FOM=	0.46
INDE	-3	1	6	FOBS=	87.7	SIGMA=	3.7	PHAS=	43.9	FOM=	0.92
INDE	-3	1	7	FOBS=	179.0	SIGMA=	1.8	PHAS=	177.0	FOM=	0.99
INDE	-3	1	8	FOBS=	245.0	SIGMA=	1.7	PHAS=	137.9	FOM=	1.00
INDE	-3	1	9	FOBS=	197.5	SIGMA=	2.2	PHAS=	154.9	FOM=	0.20
INDE	-3	1	10	FOBS=	221.6	SIGMA=	2.3	PHAS=	296.0	FOM=	0.88
INDE	-3	1	11	FOBS=	304.7	SIGMA=	1.9	PHAS=	190.3	FOM=	0.93
INDE	-3	1	12	FOBS=	75.7	SIGMA=	8.1	PHAS=	287.1	FOM=	0.21
INDE	-3	1	13	FOBS=	154.4	SIGMA=	4.5	PHAS=	84.3	FOM=	0.56
INDE	-3	1	14	FOBS=	397.9	SIGMA=	1.9	PHAS=	152.5	FOM=	0.60
INDE	-3	1	15	FOBS=	119.6	SIGMA=	5.8	PHAS=	193.3	FOM=	0.37
INDE	-3	1	16	FOBS=	140.2	SIGMA=	5.0	PHAS=	113.0	FOM=	0.34
INDE	-3	1	17	FOBS=	103.5	SIGMA=	6.5	PHAS=	53.7	FOM=	0.12
INDE	-3	2	1	FOBS=	387.7	SIGMA=	1.0	PHAS=	219.9	FOM=	0.95
INDE	-3	2	2	FOBS=	212.7	SIGMA=	1.2	PHAS=	231.8	FOM=	0.96
INDE	-3	2	3	FOBS=	669.9	SIGMA=	0.9	PHAS=	129.5	FOM=	1.00
INDE	-3	2	4	FOBS=	471.7	SIGMA=	0.7	PHAS=	337.9	FOM=	0.98

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INDE	-3	2	5	FOBS=	244.8	SIGMA=	1.1	PHAS=	289.2	FOM=	0.81
INDE	-3	2	6	FOBS=	387.3	SIGMA=	1.2	PHAS=	250.2	FOM=	0.98
INDE	-3	2	7	FOBS=	129.5	SIGMA=	2.5	PHAS=	278.2	FOM=	0.87
INDE	-3	2	8	FOBS=	140.3	SIGMA=	2.7	PHAS=	321.8	FOM=	0.82
INDE	-3	2	9	FOBS=	205.2	SIGMA=	2.1	PHAS=	342.3	FOM=	0.98
INDE	-3	2	10	FOBS=	438.1	SIGMA=	1.3	PHAS=	298.6	FOM=	1.00
INDE	-3	2	11	FOBS=	313.0	SIGMA=	1.9	PHAS=	134.6	FOM=	0.96
INDE	-3	2	12	FOBS=	328.9	SIGMA=	2.0	PHAS=	1.5	FOM=	0.15
INDE	-3	2	13	FOBS=	157.3	SIGMA=	4.3	PHAS=	131.2	FOM=	0.86
INDE	-3	2	14	FOBS=	315.1	SIGMA=	2.2	PHAS=	179.3	FOM=	0.94
INDE	-3	2	15	FOBS=	108.7	SIGMA=	6.2	PHAS=	22.1	FOM=	0.50
INDE	-3	2	16	FOBS=	61.0	SIGMA=	19.9	PHAS=	351.3	FOM=	0.08
INDE	-3	2	17	FOBS=	64.8	SIGMA=	11.5	PHAS=	217.5	FOM=	0.06
INDE	-3	3	1	FOBS=	121.8	SIGMA=	1.9	PHAS=	212.2	FOM=	0.93
INDE	-3	3	2	FOBS=	469.9	SIGMA=	1.1	PHAS=	132.1	FOM=	0.99
INDE	-3	3	3	FOBS=	311.2	SIGMA=	0.6	PHAS=	345.0	FOM=	0.98
INDE	-3	3	4	FOBS=	461.7	SIGMA=	0.7	PHAS=	75.6	FOM=	0.91
INDE	-3	3	5	FOBS=	395.9	SIGMA=	0.9	PHAS=	143.4	FOM=	1.00
INDE	-3	3	6	FOBS=	240.0	SIGMA=	1.3	PHAS=	192.7	FOM=	0.99
INDE	-3	3	7	FOBS=	170.9	SIGMA=	2.3	PHAS=	167.5	FOM=	0.88
INDE	-3	3	8	FOBS=	81.1	SIGMA=	5.2	PHAS=	87.0	FOM=	0.73
INDE	-3	3	9	FOBS=	198.9	SIGMA=	2.2	PHAS=	313.1	FOM=	0.94
INDE	-3	3	10	FOBS=	201.1	SIGMA=	2.7	PHAS=	88.4	FOM=	0.29
INDE	-3	3	11	FOBS=	355.8	SIGMA=	1.7	PHAS=	78.5	FOM=	0.97
INDE	-3	3	12	FOBS=	127.5	SIGMA=	5.1	PHAS=	2.8	FOM=	0.84
INDE	-3	3	13	FOBS=	148.7	SIGMA=	4.6	PHAS=	150.8	FOM=	0.60
INDE	-3	3	14	FOBS=	195.4	SIGMA=	3.5	PHAS=	123.1	FOM=	0.60
INDE	-3	3	15	FOBS=	146.1	SIGMA=	4.8	PHAS=	48.8	FOM=	0.83
INDE	-3	3	16	FOBS=	71.0	SIGMA=	10.1	PHAS=	170.5	FOM=	0.06
INDE	-3	3	17	FOBS=	120.0	SIGMA=	5.8	PHAS=	130.7	FOM=	0.09
INDE	-3	4	1	FOBS=	468.1	SIGMA=	0.7	PHAS=	25.4	FOM=	0.42
INDE	-3	4	2	FOBS=	268.8	SIGMA=	2.0	PHAS=	145.3	FOM=	1.00
INDE	-3	4	3	FOBS=	66.9	SIGMA=	3.0	PHAS=	195.6	FOM=	0.29
INDE	-3	4	4	FOBS=	306.9	SIGMA=	0.8	PHAS=	181.1	FOM=	1.00
INDE	-3	4	5	FOBS=	214.9	SIGMA=	1.2	PHAS=	306.0	FOM=	0.97
INDE	-3	4	6	FOBS=	103.2	SIGMA=	2.9	PHAS=	16.6	FOM=	0.92
INDE	-3	4	7	FOBS=	259.0	SIGMA=	1.8	PHAS=	153.0	FOM=	0.30
INDE	-3	4	8	FOBS=	126.6	SIGMA=	3.9	PHAS=	41.3	FOM=	0.86
INDE	-3	4	9	FOBS=	99.7	SIGMA=	4.6	PHAS=	277.9	FOM=	0.72
INDE	-3	4	10	FOBS=	149.8	SIGMA=	3.2	PHAS=	354.0	FOM=	0.79
INDE	-3	4	11	FOBS=	127.6	SIGMA=	4.3	PHAS=	164.1	FOM=	0.61
INDE	-3	4	12	FOBS=	451.7	SIGMA=	1.5	PHAS=	148.6	FOM=	0.88
INDE	-3	4	13	FOBS=	149.7	SIGMA=	4.5	PHAS=	225.2	FOM=	0.44
INDE	-3	4	14	FOBS=	176.3	SIGMA=	4.1	PHAS=	264.6	FOM=	0.75
INDE	-3	4	15	FOBS=	143.8	SIGMA=	4.8	PHAS=	120.1	FOM=	0.21
INDE	-3	4	16	FOBS=	208.1	SIGMA=	3.3	PHAS=	151.9	FOM=	0.38
INDE	-3	4	17	FOBS=	76.2	SIGMA=	1.6	PHAS=	235.7	FOM=	0.08
INDE	-3	5	1	FOBS=	119.0	SIGMA=	2.0	PHAS=	146.8	FOM=	0.76
INDE	-3	5	2	FOBS=	501.4	SIGMA=	1.2	PHAS=	15.3	FOM=	0.92
INDE	-3	5	3	FOBS=	451.3	SIGMA=	1.5	PHAS=	11.0	FOM=	0.94
INDE	-3	5	4	FOBS=	147.5	SIGMA=	1.5	PHAS=	54.8	FOM=	1.00
INDE	-3	5	5	FOBS=	56.7	SIGMA=	3.9	PHAS=	6.9	FOM=	0.94
INDE	-3	5	6	FOBS=	132.5	SIGMA=	2.2	PHAS=	158.6	FOM=	0.57
INDE	-3	5	7	FOBS=	138.3	SIGMA=	2.3	PHAS=	156.3	FOM=	0.96
INDE	-3	5	8	FOBS=	162.8	SIGMA=	2.5	PHAS=	311.6	FOM=	0.96
INDE	-3	5	9	FOBS=	360.7	SIGMA=	1.4	PHAS=	294.4	FOM=	0.83
INDE	-3	5	10	FOBS=	146.6	SIGMA=	3.3	PHAS=	217.8	FOM=	0.85
INDE	-3	5	11	FOBS=	397.7	SIGMA=	1.7	PHAS=	58.7	FOM=	0.65
INDE	-3	5	12	FOBS=	198.4	SIGMA=	3.0	PHAS=	332.2	FOM=	0.01
INDE	-3	5	13	FOBS=	179.2	SIGMA=	3.7	PHAS=	343.9	FOM=	0.10
INDE	-3	5	14	FOBS=	280.2	SIGMA=	2.4	PHAS=	67.9	FOM=	0.06
INDE	-3	5	15	FOBS=	218.8	SIGMA=	3.1	PHAS=	51.5	FOM=	0.21
INDE	-3	5	16	FOBS=	253.4	SIGMA=	2.6	PHAS=	239.8	FOM=	0.79
INDE	-3	6	1	FOBS=	441.4	SIGMA=	0.8	PHAS=	346.2	FOM=	0.19
INDE	-3	6	2	FOBS=	183.7	SIGMA=	2.9	PHAS=	352.3	FOM=	0.88
INDE	-3	6	3	FOBS=	675.0	SIGMA=	1.3	PHAS=	109.1	FOM=	0.97
INDE	-3	6	4	FOBS=	158.7	SIGMA=	1.5	PHAS=	197.1	FOM=	0.92
INDE	-3	6	5	FOBS=	216.3	SIGMA=	1.3	PHAS=	34.8	FOM=	0.96
INDE	-3	6	6	FOBS=	180.5	SIGMA=	1.8	PHAS=	17.9	FOM=	0.87
INDE	-3	6	7	FOBS=	34.5	SIGMA=	11.4	PHAS=	156.3	FOM=	0.08
INDE	-3	6	8	FOBS=	363.6	SIGMA=	1.3	PHAS=	303.3	FOM=	0.54

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INDE	-3	6	9	FOBS=	255.8	SIGMA=	2.0	PHAS=	179.9	FOM=	0.24
INDE	-3	6	10	FOBS=	373.1	SIGMA=	1.5	PHAS=	230.6	FOM=	0.71
INDE	-3	6	11	FOBS=	105.3	SIGMA=	5.4	PHAS=	184.7	FOM=	0.72
INDE	-3	6	12	FOBS=	218.5	SIGMA=	2.8	PHAS=	273.6	FOM=	0.46
INDE	-3	6	13	FOBS=	124.5	SIGMA=	5.3	PHAS=	65.4	FOM=	0.14
INDE	-3	6	14	FOBS=	175.3	SIGMA=	4.0	PHAS=	175.4	FOM=	0.52
INDE	-3	6	15	FOBS=	52.6	SIGMA=	15.8	PHAS=	254.0	FOM=	0.11
INDE	-3	6	16	FOBS=	127.9	SIGMA=	5.3	PHAS=	321.9	FOM=	0.07
INDE	-3	7	1	FOBS=	170.1	SIGMA=	1.3	PHAS=	18.4	FOM=	0.83
INDE	-3	7	2	FOBS=	253.6	SIGMA=	2.4	PHAS=	210.6	FOM=	0.86
INDE	-3	7	3	FOBS=	559.9	SIGMA=	1.2	PHAS=	291.9	FOM=	0.94
INDE	-3	7	4	FOBS=	219.6	SIGMA=	1.4	PHAS=	106.1	FOM=	0.95
INDE	-3	7	5	FOBS=	69.7	SIGMA=	4.5	PHAS=	197.2	FOM=	0.85
INDE	-3	7	6	FOBS=	180.0	SIGMA=	1.7	PHAS=	183.3	FOM=	0.93
INDE	-3	7	7	FOBS=	311.9	SIGMA=	1.3	PHAS=	142.7	FOM=	0.33
INDE	-3	7	8	FOBS=	318.0	SIGMA=	1.4	PHAS=	152.9	FOM=	0.85
INDE	-3	7	9	FOBS=	342.0	SIGMA=	1.5	PHAS=	339.1	FOM=	0.22
INDE	-3	7	10	FOBS=	174.0	SIGMA=	3.3	PHAS=	342.9	FOM=	0.36
INDE	-3	7	11	FOBS=	200.6	SIGMA=	2.7	PHAS=	106.3	FOM=	0.03
INDE	-3	7	12	FOBS=	103.7	SIGMA=	6.2	PHAS=	277.7	FOM=	0.15
INDE	-3	7	13	FOBS=	218.0	SIGMA=	2.9	PHAS=	241.0	FOM=	0.67
INDE	-3	7	14	FOBS=	148.1	SIGMA=	4.7	PHAS=	154.3	FOM=	0.35
INDE	-3	7	15	FOBS=	85.1	SIGMA=	8.0	PHAS=	306.2	FOM=	0.40
INDE	-3	7	16	FOBS=	199.3	SIGMA=	3.3	PHAS=	204.1	FOM=	0.70
INDE	-3	8	1	FOBS=	207.3	SIGMA=	1.2	PHAS=	191.5	FOM=	0.95
INDE	-3	8	2	FOBS=	330.5	SIGMA=	0.9	PHAS=	29.8	FOM=	1.00
INDE	-3	8	3	FOBS=	128.7	SIGMA=	3.3	PHAS=	298.3	FOM=	0.28
INDE	-3	8	4	FOBS=	102.7	SIGMA=	2.2	PHAS=	29.2	FOM=	0.85
INDE	-3	8	5	FOBS=	77.8	SIGMA=	4.5	PHAS=	295.0	FOM=	0.84
INDE	-3	8	6	FOBS=	390.4	SIGMA=	1.1	PHAS=	119.0	FOM=	1.00
INDE	-3	8	7	FOBS=	129.6	SIGMA=	2.9	PHAS=	84.5	FOM=	0.89
INDE	-3	8	8	FOBS=	259.4	SIGMA=	1.6	PHAS=	15.9	FOM=	0.94
INDE	-3	8	9	FOBS=	262.7	SIGMA=	1.8	PHAS=	92.0	FOM=	0.98
INDE	-3	8	10	FOBS=	158.9	SIGMA=	3.5	PHAS=	53.1	FOM=	0.94
INDE	-3	8	11	FOBS=	130.4	SIGMA=	5.2	PHAS=	68.8	FOM=	0.16
INDE	-3	8	12	FOBS=	234.6	SIGMA=	2.7	PHAS=	116.9	FOM=	0.54
INDE	-3	8	13	FOBS=	74.4	SIGMA=	8.6	PHAS=	189.9	FOM=	0.06
INDE	-3	8	14	FOBS=	88.3	SIGMA=	7.5	PHAS=	197.9	FOM=	0.30
INDE	-3	8	15	FOBS=	124.9	SIGMA=	5.5	PHAS=	320.6	FOM=	0.24
INDE	-3	8	16	FOBS=	83.7	SIGMA=	7.9	PHAS=	51.4	FOM=	0.19
INDE	-3	9	1	FOBS=	293.3	SIGMA=	1.2	PHAS=	36.5	FOM=	0.98
INDE	-3	9	2	FOBS=	121.1	SIGMA=	1.6	PHAS=	34.8	FOM=	0.83
INDE	-3	9	3	FOBS=	86.1	SIGMA=	2.4	PHAS=	331.8	FOM=	0.91
INDE	-3	9	4	FOBS=	214.8	SIGMA=	1.5	PHAS=	278.8	FOM=	0.96
INDE	-3	9	5	FOBS=	154.0	SIGMA=	2.0	PHAS=	65.7	FOM=	0.93
INDE	-3	9	6	FOBS=	162.0	SIGMA=	2.2	PHAS=	286.8	FOM=	0.70
INDE	-3	9	7	FOBS=	139.9	SIGMA=	2.6	PHAS=	37.1	FOM=	0.97
INDE	-3	9	8	FOBS=	108.0	SIGMA=	4.1	PHAS=	82.3	FOM=	0.76
INDE	-3	9	9	FOBS=	411.5	SIGMA=	1.3	PHAS=	160.2	FOM=	0.98
INDE	-3	9	10	FOBS=	132.2	SIGMA=	3.9	PHAS=	27.6	FOM=	0.92
INDE	-3	9	11	FOBS=	168.2	SIGMA=	3.7	PHAS=	341.3	FOM=	0.72
INDE	-3	9	12	FOBS=	121.3	SIGMA=	5.9	PHAS=	314.7	FOM=	0.05
INDE	-3	9	13	FOBS=	115.5	SIGMA=	5.7	PHAS=	288.4	FOM=	0.12
INDE	-3	9	14	FOBS=	91.1	SIGMA=	7.2	PHAS=	159.8	FOM=	0.18
INDE	-3	9	15	FOBS=	120.5	SIGMA=	5.6	PHAS=	11.4	FOM=	0.22
INDE	-3	9	16	FOBS=	96.5	SIGMA=	5.1	PHAS=	127.4	FOM=	0.06
INDE	-3	10	1	FOBS=	194.8	SIGMA=	1.4	PHAS=	163.4	FOM=	0.96
INDE	-3	10	2	FOBS=	264.3	SIGMA=	1.0	PHAS=	261.5	FOM=	0.98
INDE	-3	10	3	FOBS=	118.1	SIGMA=	2.3	PHAS=	326.7	FOM=	0.98
INDE	-3	10	4	FOBS=	149.9	SIGMA=	1.8	PHAS=	168.5	FOM=	0.96
INDE	-3	10	5	FOBS=	54.9	SIGMA=	4.5	PHAS=	296.1	FOM=	0.89
INDE	-3	10	6	FOBS=	199.3	SIGMA=	1.7	PHAS=	58.9	FOM=	0.97
INDE	-3	10	7	FOBS=	117.7	SIGMA=	3.4	PHAS=	208.6	FOM=	0.87
INDE	-3	10	8	FOBS=	283.7	SIGMA=	1.8	PHAS=	171.1	FOM=	0.95
INDE	-3	10	9	FOBS=	144.3	SIGMA=	3.3	PHAS=	330.4	FOM=	0.91
INDE	-3	10	10	FOBS=	175.3	SIGMA=	2.7	PHAS=	226.0	FOM=	0.89
INDE	-3	10	11	FOBS=	510.6	SIGMA=	1.4	PHAS=	0.5	FOM=	0.66
INDE	-3	10	12	FOBS=	177.4	SIGMA=	4.3	PHAS=	7.8	FOM=	0.59
INDE	-3	10	13	FOBS=	139.3	SIGMA=	5.0	PHAS=	18.5	FOM=	0.65
INDE	-3	10	14	FOBS=	63.5	SIGMA=	11.7	PHAS=	205.9	FOM=	0.25
INDE	-3	10	15	FOBS=	55.3	SIGMA=	13.8	PHAS=	65.0	FOM=	0.40

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INDE	-	3	10	16	FOBS=	76.6	SIGMA=	8.7	PHAS=	27.8	FOM=	0.11
INDE	-	11	1	2	FOBS=	129.1	SIGMA=	1.9	PHAS=	118.5	FOM=	0.83
INDE	-	11	2	3	FOBS=	202.7	SIGMA=	1.3	PHAS=	66.7	FOM=	1.00
INDE	-	11	3	4	FOBS=	133.9	SIGMA=	1.8	PHAS=	210.3	FOM=	0.98
INDE	-	11	4	5	FOBS=	64.9	SIGMA=	4.1	PHAS=	39.9	FOM=	0.71
INDE	-	11	5	6	FOBS=	164.0	SIGMA=	2.5	PHAS=	45.0	FOM=	0.75
INDE	-	11	6	7	FOBS=	235.3	SIGMA=	1.6	PHAS=	55.0	FOM=	0.78
INDE	-	11	7	8	FOBS=	157.1	SIGMA=	2.4	PHAS=	193.2	FOM=	0.27
INDE	-	11	8	9	FOBS=	501.8	SIGMA=	1.2	PHAS=	64.9	FOM=	0.46
INDE	-	11	9	10	FOBS=	162.6	SIGMA=	3.2	PHAS=	97.6	FOM=	0.66
INDE	-	11	10	11	FOBS=	352.1	SIGMA=	1.6	PHAS=	164.5	FOM=	0.83
INDE	-	11	11	12	FOBS=	193.2	SIGMA=	2.9	PHAS=	1.7	FOM=	0.87
INDE	-	11	12	13	FOBS=	80.7	SIGMA=	8.2	PHAS=	308.6	FOM=	0.21
INDE	-	11	13	14	FOBS=	172.2	SIGMA=	4.5	PHAS=	127.2	FOM=	0.19
INDE	-	11	14	15	FOBS=	133.1	SIGMA=	5.0	PHAS=	229.1	FOM=	0.64
INDE	-	11	15	16	FOBS=	91.8	SIGMA=	7.0	PHAS=	39.8	FOM=	0.45
INDE	-	11	16	1	FOBS=	109.1	SIGMA=	6.1	PHAS=	80.0	FOM=	0.15
INDE	-	12	1	2	FOBS=	35.6	SIGMA=	5.7	PHAS=	342.1	FOM=	0.82
INDE	-	12	2	3	FOBS=	227.2	SIGMA=	1.3	PHAS=	353.4	FOM=	1.00
INDE	-	12	3	4	FOBS=	275.8	SIGMA=	1.0	PHAS=	57.6	FOM=	0.35
INDE	-	12	4	5	FOBS=	134.7	SIGMA=	2.1	PHAS=	216.7	FOM=	0.96
INDE	-	12	5	6	FOBS=	327.5	SIGMA=	1.3	PHAS=	126.5	FOM=	1.00
INDE	-	12	6	7	FOBS=	237.2	SIGMA=	1.6	PHAS=	250.7	FOM=	0.97
INDE	-	12	7	8	FOBS=	202.3	SIGMA=	1.9	PHAS=	228.6	FOM=	0.87
INDE	-	12	8	9	FOBS=	211.0	SIGMA=	2.2	PHAS=	337.4	FOM=	0.85
INDE	-	12	9	10	FOBS=	46.4	SIGMA=	1.5	PHAS=	292.2	FOM=	0.16
INDE	-	12	10	11	FOBS=	278.9	SIGMA=	2.2	PHAS=	203.0	FOM=	0.96
INDE	-	12	11	12	FOBS=	72.3	SIGMA=	8.5	PHAS=	350.3	FOM=	0.37
INDE	-	12	12	13	FOBS=	241.4	SIGMA=	2.5	PHAS=	61.5	FOM=	0.34
INDE	-	12	13	14	FOBS=	175.4	SIGMA=	3.8	PHAS=	257.7	FOM=	0.77
INDE	-	12	14	15	FOBS=	80.8	SIGMA=	8.9	PHAS=	331.8	FOM=	0.36
INDE	-	12	15	16	FOBS=	138.2	SIGMA=	4.7	PHAS=	41.0	FOM=	0.27
INDE	-	12	16	1	FOBS=	91.9	SIGMA=	12.5	PHAS=	76.3	FOM=	0.09
INDE	-	13	1	2	FOBS=	38.4	SIGMA=	9.0	PHAS=	318.5	FOM=	0.10
INDE	-	13	2	3	FOBS=	337.5	SIGMA=	1.0	PHAS=	53.9	FOM=	0.97
INDE	-	13	3	4	FOBS=	133.7	SIGMA=	1.9	PHAS=	290.3	FOM=	1.00
INDE	-	13	4	5	FOBS=	344.9	SIGMA=	1.4	PHAS=	153.5	FOM=	1.00
INDE	-	13	5	6	FOBS=	45.0	SIGMA=	7.5	PHAS=	101.4	FOM=	0.37
INDE	-	13	6	7	FOBS=	146.5	SIGMA=	2.7	PHAS=	282.7	FOM=	0.66
INDE	-	13	7	8	FOBS=	544.6	SIGMA=	1.0	PHAS=	172.0	FOM=	1.00
INDE	-	13	8	9	FOBS=	286.7	SIGMA=	1.7	PHAS=	343.2	FOM=	0.91
INDE	-	13	9	10	FOBS=	109.5	SIGMA=	4.6	PHAS=	74.6	FOM=	0.17
INDE	-	13	10	11	FOBS=	203.6	SIGMA=	2.6	PHAS=	258.4	FOM=	0.46
INDE	-	13	11	12	FOBS=	335.0	SIGMA=	1.9	PHAS=	301.4	FOM=	0.94
INDE	-	13	12	13	FOBS=	184.4	SIGMA=	3.6	PHAS=	329.8	FOM=	0.81
INDE	-	13	13	14	FOBS=	39.7	SIGMA=	20.0	PHAS=	243.3	FOM=	0.20
INDE	-	13	14	15	FOBS=	86.2	SIGMA=	8.4	PHAS=	187.0	FOM=	0.23
INDE	-	13	15	1	FOBS=	127.0	SIGMA=	5.3	PHAS=	13.6	FOM=	0.43
INDE	-	14	1	2	FOBS=	183.8	SIGMA=	1.8	PHAS=	352.1	FOM=	0.99
INDE	-	14	2	3	FOBS=	80.1	SIGMA=	3.7	PHAS=	92.3	FOM=	0.83
INDE	-	14	3	4	FOBS=	196.8	SIGMA=	1.5	PHAS=	327.5	FOM=	0.38
INDE	-	14	4	5	FOBS=	165.2	SIGMA=	1.8	PHAS=	191.7	FOM=	1.00
INDE	-	14	5	6	FOBS=	124.8	SIGMA=	2.6	PHAS=	258.6	FOM=	0.89
INDE	-	14	6	7	FOBS=	336.4	SIGMA=	1.3	PHAS=	5.8	FOM=	0.97
INDE	-	14	7	8	FOBS=	473.8	SIGMA=	1.2	PHAS=	241.1	FOM=	0.92
INDE	-	14	8	9	FOBS=	196.3	SIGMA=	2.3	PHAS=	9.5	FOM=	0.90
INDE	-	14	9	10	FOBS=	294.1	SIGMA=	1.8	PHAS=	121.0	FOM=	1.00
INDE	-	14	10	11	FOBS=	255.0	SIGMA=	2.3	PHAS=	182.4	FOM=	0.95
INDE	-	14	11	12	FOBS=	253.4	SIGMA=	2.4	PHAS=	79.4	FOM=	0.95
INDE	-	14	12	13	FOBS=	153.5	SIGMA=	4.1	PHAS=	198.6	FOM=	0.76
INDE	-	14	13	14	FOBS=	77.2	SIGMA=	8.8	PHAS=	156.9	FOM=	0.31
INDE	-	14	14	15	FOBS=	144.8	SIGMA=	5.0	PHAS=	67.1	FOM=	0.64
INDE	-	14	15	1	FOBS=	85.1	SIGMA=	9.8	PHAS=	233.2	FOM=	0.00
INDE	-	15	1	2	FOBS=	291.7	SIGMA=	1.3	PHAS=	170.4	FOM=	0.88
INDE	-	15	2	3	FOBS=	169.8	SIGMA=	1.9	PHAS=	323.0	FOM=	0.30
INDE	-	15	3	4	FOBS=	493.6	SIGMA=	0.9	PHAS=	92.1	FOM=	0.92
INDE	-	15	4	5	FOBS=	107.7	SIGMA=	3.1	PHAS=	333.7	FOM=	0.95
INDE	-	15	5	6	FOBS=	228.3	SIGMA=	1.7	PHAS=	288.2	FOM=	1.00
INDE	-	15	6	7	FOBS=	226.2	SIGMA=	1.8	PHAS=	160.3	FOM=	0.94
INDE	-	15	7	8	FOBS=	287.6	SIGMA=	1.8	PHAS=	35.4	FOM=	1.00
INDE	-	15	8		FOBS=	214.8	SIGMA=	2.1	PHAS=	305.7	FOM=	0.96

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INDE	-	3	15	9	FOBS=	179.7	SIGMA=	2.7	PHAS=	307.3	FOM=	0.72
INDE	-	3	15	10	FOBS=	244.0	SIGMA=	2.4	PHAS=	229.6	FOM=	0.97
INDE	-	3	15	11	FOBS=	317.6	SIGMA=	2.0	PHAS=	204.0	FOM=	0.96
INDE	-	3	15	12	FOBS=	148.4	SIGMA=	4.1	PHAS=	194.7	FOM=	0.13
INDE	-	3	15	13	FOBS=	174.3	SIGMA=	3.6	PHAS=	109.3	FOM=	0.07
INDE	-	3	15	14	FOBS=	69.0	SIGMA=	8.0	PHAS=	96.4	FOM=	0.75
INDE	-	3	15	15	FOBS=	125.8	SIGMA=	5.9	PHAS=	213.3	FOM=	0.07
INDE	-	3	16	1	FOBS=	147.1	SIGMA=	2.6	PHAS=	243.2	FOM=	0.89
INDE	-	3	16	2	FOBS=	550.5	SIGMA=	0.9	PHAS=	106.1	FOM=	0.97
INDE	-	3	16	3	FOBS=	164.9	SIGMA=	1.9	PHAS=	196.9	FOM=	0.58
INDE	-	3	16	4	FOBS=	233.6	SIGMA=	1.6	PHAS=	340.2	FOM=	0.93
INDE	-	3	16	5	FOBS=	367.9	SIGMA=	1.6	PHAS=	255.7	FOM=	0.97
INDE	-	3	16	6	FOBS=	103.4	SIGMA=	4.6	PHAS=	339.6	FOM=	0.91
INDE	-	3	16	7	FOBS=	237.6	SIGMA=	1.9	PHAS=	306.0	FOM=	0.82
INDE	-	3	16	8	FOBS=	336.5	SIGMA=	1.5	PHAS=	236.7	FOM=	0.96
INDE	-	3	16	9	FOBS=	267.6	SIGMA=	2.1	PHAS=	353.1	FOM=	0.99
INDE	-	3	16	10	FOBS=	223.8	SIGMA=	2.5	PHAS=	199.9	FOM=	0.31
INDE	-	3	16	11	FOBS=	166.7	SIGMA=	3.6	PHAS=	206.7	FOM=	0.44
INDE	-	3	16	12	FOBS=	209.5	SIGMA=	2.8	PHAS=	61.8	FOM=	0.06
INDE	-	3	16	13	FOBS=	61.8	SIGMA=	9.3	PHAS=	84.8	FOM=	0.16
INDE	-	3	16	14	FOBS=	75.5	SIGMA=	7.5	PHAS=	287.5	FOM=	0.03
INDE	-	3	16	15	FOBS=	68.5	SIGMA=	41.4	PHAS=	257.8	FOM=	0.04
INDE	-	3	17	1	FOBS=	264.7	SIGMA=	1.6	PHAS=	131.6	FOM=	0.94
INDE	-	3	17	2	FOBS=	301.3	SIGMA=	1.4	PHAS=	51.1	FOM=	0.99
INDE	-	3	17	3	FOBS=	415.9	SIGMA=	1.1	PHAS=	187.0	FOM=	0.85
INDE	-	3	17	4	FOBS=	281.9	SIGMA=	1.4	PHAS=	87.3	FOM=	0.88
INDE	-	3	17	5	FOBS=	283.8	SIGMA=	1.5	PHAS=	130.2	FOM=	0.97
INDE	-	3	17	6	FOBS=	192.7	SIGMA=	2.3	PHAS=	336.2	FOM=	0.95
INDE	-	3	17	7	FOBS=	512.3	SIGMA=	1.2	PHAS=	148.0	FOM=	0.65
INDE	-	3	17	8	FOBS=	445.3	SIGMA=	1.4	PHAS=	89.2	FOM=	0.92
INDE	-	3	17	9	FOBS=	343.2	SIGMA=	1.7	PHAS=	128.8	FOM=	0.96
INDE	-	3	17	10	FOBS=	116.0	SIGMA=	4.9	PHAS=	232.3	FOM=	0.53
INDE	-	3	17	11	FOBS=	194.8	SIGMA=	2.9	PHAS=	114.9	FOM=	0.85
INDE	-	3	17	12	FOBS=	135.5	SIGMA=	4.4	PHAS=	16.5	FOM=	0.78
INDE	-	3	17	13	FOBS=	90.2	SIGMA=	6.3	PHAS=	220.3	FOM=	0.33
INDE	-	3	17	14	FOBS=	70.4	SIGMA=	8.2	PHAS=	193.6	FOM=	0.08
INDE	-	3	18	1	FOBS=	214.8	SIGMA=	1.8	PHAS=	176.4	FOM=	0.89
INDE	-	3	18	2	FOBS=	304.6	SIGMA=	1.5	PHAS=	177.6	FOM=	0.91
INDE	-	3	18	3	FOBS=	370.6	SIGMA=	1.3	PHAS=	222.0	FOM=	1.00
INDE	-	3	18	4	FOBS=	463.0	SIGMA=	1.2	PHAS=	111.4	FOM=	0.97
INDE	-	3	18	5	FOBS=	430.2	SIGMA=	1.3	PHAS=	57.5	FOM=	0.97
INDE	-	3	18	6	FOBS=	403.6	SIGMA=	1.2	PHAS=	246.0	FOM=	0.98
INDE	-	3	18	7	FOBS=	306.3	SIGMA=	1.6	PHAS=	313.9	FOM=	0.82
INDE	-	3	18	8	FOBS=	49.2	SIGMA=	9.4	PHAS=	134.5	FOM=	0.17
INDE	-	3	18	9	FOBS=	147.6	SIGMA=	3.6	PHAS=	51.7	FOM=	0.77
INDE	-	3	18	10	FOBS=	164.1	SIGMA=	3.4	PHAS=	139.4	FOM=	0.12
INDE	-	3	18	11	FOBS=	80.5	SIGMA=	7.0	PHAS=	325.1	FOM=	0.11
INDE	-	3	18	12	FOBS=	97.0	SIGMA=	6.0	PHAS=	116.3	FOM=	0.06
INDE	-	3	18	13	FOBS=	195.7	SIGMA=	2.9	PHAS=	284.2	FOM=	0.64
INDE	-	3	18	14	FOBS=	161.6	SIGMA=	3.7	PHAS=	59.1	FOM=	0.09
INDE	-	3	19	1	FOBS=	123.8	SIGMA=	3.1	PHAS=	6.5	FOM=	0.46
INDE	-	3	19	2	FOBS=	468.2	SIGMA=	1.2	PHAS=	223.6	FOM=	0.97
INDE	-	3	19	3	FOBS=	344.4	SIGMA=	1.5	PHAS=	115.4	FOM=	0.97
INDE	-	3	19	4	FOBS=	441.8	SIGMA=	1.3	PHAS=	226.4	FOM=	0.70
INDE	-	3	19	5	FOBS=	241.8	SIGMA=	1.8	PHAS=	350.1	FOM=	0.41
INDE	-	3	19	6	FOBS=	169.5	SIGMA=	2.4	PHAS=	12.5	FOM=	0.25
INDE	-	3	19	7	FOBS=	224.9	SIGMA=	2.3	PHAS=	328.7	FOM=	0.80
INDE	-	3	19	8	FOBS=	189.8	SIGMA=	2.6	PHAS=	180.3	FOM=	0.35
INDE	-	3	19	9	FOBS=	170.9	SIGMA=	3.2	PHAS=	95.7	FOM=	0.12
INDE	-	3	19	10	FOBS=	188.1	SIGMA=	2.8	PHAS=	215.5	FOM=	0.52
INDE	-	3	19	11	FOBS=	68.7	SIGMA=	7.8	PHAS=	236.4	FOM=	0.10
INDE	-	3	19	12	FOBS=	147.8	SIGMA=	4.1	PHAS=	126.7	FOM=	0.34
INDE	-	3	19	13	FOBS=	115.5	SIGMA=	5.0	PHAS=	303.4	FOM=	0.06
INDE	-	3	19	14	FOBS=	81.1	SIGMA=	6.9	PHAS=	209.3	FOM=	0.04
INDE	-	3	20	1	FOBS=	141.1	SIGMA=	2.8	PHAS=	121.3	FOM=	0.84
INDE	-	3	20	2	FOBS=	322.7	SIGMA=	1.3	PHAS=	126.7	FOM=	0.74
INDE	-	3	20	3	FOBS=	383.6	SIGMA=	1.3	PHAS=	99.7	FOM=	0.92
INDE	-	3	20	4	FOBS=	145.0	SIGMA=	2.9	PHAS=	332.6	FOM=	0.78
INDE	-	3	20	5	FOBS=	423.2	SIGMA=	1.3	PHAS=	90.7	FOM=	0.99
INDE	-	3	20	6	FOBS=	413.8	SIGMA=	1.4	PHAS=	283.7	FOM=	0.95
INDE	-	3	20	7	FOBS=	317.5	SIGMA=	1.8	PHAS=	182.6	FOM=	0.97

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INDE	-	20	8	FOBS=	457.2	SIGMA=	1.3	PHAS=	23.5	FOM=	0.93
INDE	-	20	9	FOBS=	166.0	SIGMA=	3.2	PHAS=	184.8	FOM=	0.91
INDE	-	20	10	FOBS=	197.4	SIGMA=	2.6	PHAS=	47.6	FOM=	0.92
INDE	-	20	11	FOBS=	190.0	SIGMA=	2.9	PHAS=	83.7	FOM=	0.25
INDE	-	20	12	FOBS=	117.4	SIGMA=	4.9	PHAS=	68.6	FOM=	0.23
INDE	-	20	13	FOBS=	137.6	SIGMA=	4.3	PHAS=	97.9	FOM=	0.04
INDE	-	21	1	FOBS=	202.1	SIGMA=	2.1	PHAS=	42.4	FOM=	0.41
INDE	-	21	2	FOBS=	133.3	SIGMA=	2.8	PHAS=	69.7	FOM=	0.95
INDE	-	21	3	FOBS=	307.5	SIGMA=	1.8	PHAS=	183.4	FOM=	0.94
INDE	-	21	4	FOBS=	224.2	SIGMA=	2.0	PHAS=	310.8	FOM=	0.79
INDE	-	21	5	FOBS=	276.8	SIGMA=	2.0	PHAS=	292.1	FOM=	0.96
INDE	-	21	6	FOBS=	391.1	SIGMA=	1.5	PHAS=	143.9	FOM=	0.97
INDE	-	21	7	FOBS=	181.6	SIGMA=	2.8	PHAS=	73.7	FOM=	0.17
INDE	-	21	8	FOBS=	87.5	SIGMA=	5.2	PHAS=	88.7	FOM=	0.07
INDE	-	21	9	FOBS=	118.0	SIGMA=	4.3	PHAS=	2.8	FOM=	0.72
INDE	-	21	10	FOBS=	220.7	SIGMA=	2.4	PHAS=	246.9	FOM=	0.72
INDE	-	21	11	FOBS=	78.5	SIGMA=	6.5	PHAS=	217.3	FOM=	0.12
INDE	-	21	12	FOBS=	55.5	SIGMA=	9.8	PHAS=	345.9	FOM=	0.22
INDE	-	21	13	FOBS=	67.4	SIGMA=	8.2	PHAS=	237.3	FOM=	0.11
INDE	-	22	1	FOBS=	78.3	SIGMA=	4.3	PHAS=	164.0	FOM=	0.92
INDE	-	22	2	FOBS=	317.3	SIGMA=	1.5	PHAS=	216.9	FOM=	0.98
INDE	-	22	3	FOBS=	84.3	SIGMA=	5.7	PHAS=	42.1	FOM=	0.48
INDE	-	22	4	FOBS=	253.8	SIGMA=	1.8	PHAS=	68.5	FOM=	0.98
INDE	-	22	5	FOBS=	153.2	SIGMA=	3.0	PHAS=	12.7	FOM=	0.89
INDE	-	22	6	FOBS=	147.0	SIGMA=	3.5	PHAS=	337.2	FOM=	0.25
INDE	-	22	7	FOBS=	240.2	SIGMA=	2.0	PHAS=	62.9	FOM=	0.18
INDE	-	22	8	FOBS=	135.3	SIGMA=	3.9	PHAS=	125.7	FOM=	0.77
INDE	-	22	9	FOBS=	169.0	SIGMA=	2.8	PHAS=	48.2	FOM=	0.90
INDE	-	22	10	FOBS=	129.4	SIGMA=	4.5	PHAS=	89.9	FOM=	0.83
INDE	-	22	11	FOBS=	154.3	SIGMA=	3.6	PHAS=	39.1	FOM=	0.94
INDE	-	22	12	FOBS=	190.5	SIGMA=	2.9	PHAS=	340.4	FOM=	0.82
INDE	-	23	1	FOBS=	164.2	SIGMA=	2.6	PHAS=	12.8	FOM=	0.66
INDE	-	23	2	FOBS=	204.9	SIGMA=	2.1	PHAS=	81.5	FOM=	0.54
INDE	-	23	3	FOBS=	429.5	SIGMA=	1.7	PHAS=	76.2	FOM=	0.95
INDE	-	23	4	FOBS=	93.7	SIGMA=	4.4	PHAS=	311.3	FOM=	0.84
INDE	-	23	5	FOBS=	226.0	SIGMA=	2.2	PHAS=	141.1	FOM=	0.96
INDE	-	23	6	FOBS=	142.5	SIGMA=	3.6	PHAS=	133.5	FOM=	0.86
INDE	-	23	7	FOBS=	97.2	SIGMA=	5.4	PHAS=	88.2	FOM=	0.93
INDE	-	23	8	FOBS=	305.3	SIGMA=	1.9	PHAS=	263.0	FOM=	0.99
INDE	-	23	9	FOBS=	234.7	SIGMA=	2.1	PHAS=	71.7	FOM=	0.65
INDE	-	23	10	FOBS=	140.2	SIGMA=	4.0	PHAS=	41.8	FOM=	0.69
INDE	-	23	11	FOBS=	60.5	SIGMA=	9.7	PHAS=	217.1	FOM=	0.21
INDE	-	23	12	FOBS=	134.8	SIGMA=	3.9	PHAS=	66.8	FOM=	0.29
INDE	-	24	1	FOBS=	223.9	SIGMA=	2.1	PHAS=	162.5	FOM=	0.74
INDE	-	24	2	FOBS=	278.9	SIGMA=	1.7	PHAS=	278.2	FOM=	0.92
INDE	-	24	3	FOBS=	167.6	SIGMA=	3.4	PHAS=	225.6	FOM=	0.89
INDE	-	24	4	FOBS=	252.2	SIGMA=	1.8	PHAS=	66.9	FOM=	0.93
INDE	-	24	5	FOBS=	243.5	SIGMA=	1.9	PHAS=	178.6	FOM=	0.65
INDE	-	24	6	FOBS=	241.0	SIGMA=	2.1	PHAS=	285.3	FOM=	0.97
INDE	-	24	7	FOBS=	153.2	SIGMA=	3.6	PHAS=	30.0	FOM=	0.69
INDE	-	24	8	FOBS=	256.4	SIGMA=	2.4	PHAS=	227.1	FOM=	0.94
INDE	-	24	9	FOBS=	95.2	SIGMA=	5.0	PHAS=	52.4	FOM=	0.73
INDE	-	24	10	FOBS=	139.8	SIGMA=	3.6	PHAS=	157.7	FOM=	0.71
INDE	-	24	11	FOBS=	154.8	SIGMA=	3.5	PHAS=	221.8	FOM=	0.28
INDE	-	25	1	FOBS=	216.9	SIGMA=	2.1	PHAS=	232.6	FOM=	0.18
INDE	-	25	2	FOBS=	121.4	SIGMA=	3.8	PHAS=	73.0	FOM=	0.80
INDE	-	25	3	FOBS=	344.3	SIGMA=	2.0	PHAS=	173.0	FOM=	0.99
INDE	-	25	4	FOBS=	135.2	SIGMA=	3.4	PHAS=	126.0	FOM=	0.95
INDE	-	25	5	FOBS=	369.0	SIGMA=	1.5	PHAS=	64.1	FOM=	0.96
INDE	-	25	6	FOBS=	305.3	SIGMA=	1.7	PHAS=	310.3	FOM=	0.95
INDE	-	25	7	FOBS=	150.8	SIGMA=	3.3	PHAS=	138.0	FOM=	0.94
INDE	-	25	8	FOBS=	284.9	SIGMA=	2.1	PHAS=	240.0	FOM=	0.97
INDE	-	25	9	FOBS=	145.1	SIGMA=	4.0	PHAS=	132.8	FOM=	0.68
INDE	-	25	10	FOBS=	186.9	SIGMA=	2.5	PHAS=	16.1	FOM=	0.89
INDE	-	25	11	FOBS=	119.0	SIGMA=	4.4	PHAS=	59.2	FOM=	0.89
INDE	-	26	1	FOBS=	166.3	SIGMA=	2.7	PHAS=	356.6	FOM=	0.61
INDE	-	26	2	FOBS=	212.8	SIGMA=	2.1	PHAS=	283.5	FOM=	0.50
INDE	-	26	3	FOBS=	43.3	SIGMA=	13.6	PHAS=	167.7	FOM=	0.08
INDE	-	26	4	FOBS=	298.8	SIGMA=	1.6	PHAS=	97.8	FOM=	0.88
INDE	-	26	5	FOBS=	65.5	SIGMA=	6.3	PHAS=	170.4	FOM=	0.19
INDE	-	26	6	FOBS=	149.9	SIGMA=	3.2	PHAS=	154.1	FOM=	0.09

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INDE	-3	26	7	FOBS=	156.6	SIGMA=	2.9	PHAS=	347.3	FOM=	0.67
INDE	-3	26	8	FOBS=	99.5	SIGMA=	4.5	PHAS=	245.1	FOM=	0.57
INDE	-3	26	9	FOBS=	161.3	SIGMA=	3.6	PHAS=	282.2	FOM=	0.17
INDE	-3	26	10	FOBS=	115.7	SIGMA=	4.1	PHAS=	278.5	FOM=	0.21
INDE	-3	27	1	FOBS=	71.1	SIGMA=	5.9	PHAS=	70.9	FOM=	0.31
INDE	-3	27	2	FOBS=	62.0	SIGMA=	6.3	PHAS=	100.5	FOM=	0.45
INDE	-3	27	3	FOBS=	110.6	SIGMA=	5.2	PHAS=	293.8	FOM=	0.92
INDE	-3	27	4	FOBS=	218.5	SIGMA=	2.1	PHAS=	198.0	FOM=	0.98
INDE	-3	27	5	FOBS=	79.5	SIGMA=	5.3	PHAS=	116.2	FOM=	0.33
INDE	-3	27	6	FOBS=	143.7	SIGMA=	3.2	PHAS=	31.4	FOM=	0.84
INDE	-3	27	7	FOBS=	176.1	SIGMA=	2.4	PHAS=	333.2	FOM=	0.72
INDE	-3	27	8	FOBS=	161.9	SIGMA=	2.8	PHAS=	40.0	FOM=	0.90
INDE	-3	27	9	FOBS=	40.6	SIGMA=	18.5	PHAS=	182.7	FOM=	0.06
INDE	-3	27	10	FOBS=	84.4	SIGMA=	7.6	PHAS=	350.0	FOM=	0.05
INDE	-3	28	1	FOBS=	130.0	SIGMA=	3.5	PHAS=	335.6	FOM=	0.90
INDE	-3	28	2	FOBS=	110.1	SIGMA=	3.8	PHAS=	330.8	FOM=	0.86
INDE	-3	28	3	FOBS=	141.8	SIGMA=	3.7	PHAS=	68.5	FOM=	0.68
INDE	-3	28	4	FOBS=	249.9	SIGMA=	1.8	PHAS=	229.9	FOM=	0.97
INDE	-3	28	5	FOBS=	150.2	SIGMA=	2.8	PHAS=	14.4	FOM=	0.19
INDE	-3	28	6	FOBS=	44.4	SIGMA=	11.0	PHAS=	339.1	FOM=	0.27
INDE	-3	28	7	FOBS=	74.3	SIGMA=	5.8	PHAS=	175.6	FOM=	0.80
INDE	-3	28	8	FOBS=	128.0	SIGMA=	3.4	PHAS=	99.8	FOM=	0.41
INDE	-3	28	9	FOBS=	56.6	SIGMA=	7.6	PHAS=	347.6	FOM=	0.18
INDE	-3	29	1	FOBS=	276.6	SIGMA=	1.7	PHAS=	244.2	FOM=	0.57
INDE	-3	29	2	FOBS=	161.2	SIGMA=	2.5	PHAS=	85.4	FOM=	0.94
INDE	-3	29	3	FOBS=	230.5	SIGMA=	1.9	PHAS=	223.3	FOM=	0.85
INDE	-3	29	4	FOBS=	133.6	SIGMA=	3.1	PHAS=	315.2	FOM=	0.48
INDE	-3	29	5	FOBS=	198.3	SIGMA=	2.1	PHAS=	116.9	FOM=	0.95
INDE	-3	29	6	FOBS=	162.5	SIGMA=	2.7	PHAS=	174.2	FOM=	0.35
INDE	-3	29	7	FOBS=	124.8	SIGMA=	3.5	PHAS=	109.7	FOM=	0.79
INDE	-3	29	8	FOBS=	145.0	SIGMA=	3.2	PHAS=	62.4	FOM=	0.89
INDE	-3	30	1	FOBS=	139.8	SIGMA=	3.4	PHAS=	28.4	FOM=	0.93
INDE	-3	30	2	FOBS=	162.1	SIGMA=	2.7	PHAS=	111.1	FOM=	0.92
INDE	-3	30	3	FOBS=	141.4	SIGMA=	3.1	PHAS=	78.7	FOM=	0.87
INDE	-3	30	4	FOBS=	136.9	SIGMA=	3.4	PHAS=	2.7	FOM=	0.88
INDE	-3	30	5	FOBS=	189.7	SIGMA=	2.3	PHAS=	212.1	FOM=	0.75
INDE	-3	30	6	FOBS=	58.4	SIGMA=	7.4	PHAS=	197.5	FOM=	0.42
INDE	-3	30	7	FOBS=	122.1	SIGMA=	3.6	PHAS=	340.9	FOM=	0.38
INDE	-3	31	1	FOBS=	121.1	SIGMA=	3.6	PHAS=	156.8	FOM=	0.11
INDE	-3	31	2	FOBS=	168.0	SIGMA=	2.8	PHAS=	243.9	FOM=	0.32
INDE	-3	31	3	FOBS=	56.9	SIGMA=	7.2	PHAS=	306.0	FOM=	0.08
INDE	-3	31	4	FOBS=	174.4	SIGMA=	2.6	PHAS=	216.7	FOM=	0.54
INDE	-3	31	5	FOBS=	199.7	SIGMA=	2.2	PHAS=	141.9	FOM=	0.73
INDE	-3	31	6	FOBS=	184.0	SIGMA=	2.5	PHAS=	207.1	FOM=	0.73
INDE	-3	32	1	FOBS=	215.8	SIGMA=	2.1	PHAS=	199.4	FOM=	0.89
INDE	-3	32	2	FOBS=	66.4	SIGMA=	6.8	PHAS=	311.0	FOM=	0.31
INDE	-3	32	3	FOBS=	228.9	SIGMA=	1.9	PHAS=	108.4	FOM=	0.87
INDE	-3	33	4	FOBS=	71.2	SIGMA=	6.5	PHAS=	114.7	FOM=	0.10
INDE	-3	33	1	FOBS=	175.4	SIGMA=	9.8	PHAS=	202.1	FOM=	0.04
INDE	-2	0	2	FOBS=	28.6	SIGMA=	7.7	PHAS=	0.0	FOM=	0.47
INDE	-2	0	3	FOBS=	214.4	SIGMA=	1.5	PHAS=	180.0	FOM=	1.00
INDE	-2	0	4	FOBS=	695.4	SIGMA=	1.4	PHAS=	0.0	FOM=	0.94
INDE	-2	0	5	FOBS=	679.5	SIGMA=	1.3	PHAS=	180.0	FOM=	0.91
INDE	-2	0	6	FOBS=	530.5	SIGMA=	1.6	PHAS=	0.0	FOM=	0.36
INDE	-2	0	7	FOBS=	420.4	SIGMA=	1.5	PHAS=	0.0	FOM=	0.96
INDE	-2	0	8	FOBS=	55.8	SIGMA=	11.6	PHAS=	180.0	FOM=	0.40
INDE	-2	0	9	FOBS=	266.5	SIGMA=	2.7	PHAS=	0.0	FOM=	1.00
INDE	-2	0	10	FOBS=	369.9	SIGMA=	2.3	PHAS=	180.0	FOM=	0.97
INDE	-2	0	11	FOBS=	56.2	SIGMA=	14.4	PHAS=	180.0	FOM=	0.03
INDE	-2	0	12	FOBS=	121.2	SIGMA=	7.7	PHAS=	180.0	FOM=	0.37
INDE	-2	0	13	FOBS=	45.8	SIGMA=	21.8	PHAS=	180.0	FOM=	0.11
INDE	-2	0	14	FOBS=	108.1	SIGMA=	9.6	PHAS=	0.0	FOM=	0.02
INDE	-2	0	15	FOBS=	55.6	SIGMA=	19.6	PHAS=	0.0	FOM=	0.20
INDE	-2	1	2	FOBS=	86.3	SIGMA=	1.8	PHAS=	102.7	FOM=	0.97
INDE	-2	1	3	FOBS=	160.5	SIGMA=	1.0	PHAS=	98.2	FOM=	0.85
INDE	-2	1	4	FOBS=	524.7	SIGMA=	0.8	PHAS=	293.6	FOM=	0.98
INDE	-2	1	5	FOBS=	465.2	SIGMA=	1.3	PHAS=	265.1	FOM=	1.00
INDE	-2	1	6	FOBS=	372.2	SIGMA=	1.2	PHAS=	302.5	FOM=	1.00
INDE	-2	1	7	FOBS=	197.0	SIGMA=	2.2	PHAS=	359.9	FOM=	0.29
INDE	-2	1	8	FOBS=	130.8	SIGMA=	3.2	PHAS=	136.6	FOM=	0.19
INDE	-2	1	9	FOBS=	169.8	SIGMA=	2.8	PHAS=	329.8	FOM=	0.92

Fig. 10A-67

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INDE	-2	1	10	FOBS=	201.6	SIGMA=	2.6	PHAS=	217.5	FOM=	0.93
INDE	-2	1	11	FOBS=	189.4	SIGMA=	3.0	PHAS=	190.2	FOM=	0.93
INDE	-2	1	12	FOBS=	250.7	SIGMA=	2.5	PHAS=	133.8	FOM=	0.35
INDE	-2	1	13	FOBS=	149.5	SIGMA=	4.8	PHAS=	30.7	FOM=	0.79
INDE	-2	1	14	FOBS=	60.9	SIGMA=	13.1	PHAS=	321.1	FOM=	0.14
INDE	-2	1	15	FOBS=	127.6	SIGMA=	5.7	PHAS=	213.4	FOM=	0.13
INDE	-2	1	16	FOBS=	150.3	SIGMA=	4.9	PHAS=	200.7	FOM=	0.29
INDE	-2	1	17	FOBS=	72.7	SIGMA=	10.1	PHAS=	331.1	FOM=	0.08
INDE	-2	2	2	FOBS=	282.5	SIGMA=	1.3	PHAS=	157.1	FOM=	0.92
INDE	-2	2	3	FOBS=	100.0	SIGMA=	1.6	PHAS=	173.4	FOM=	0.91
INDE	-2	2	4	FOBS=	384.1	SIGMA=	1.1	PHAS=	142.6	FOM=	0.82
INDE	-2	2	5	FOBS=	219.9	SIGMA=	1.3	PHAS=	312.7	FOM=	0.96
INDE	-2	2	6	FOBS=	338.6	SIGMA=	1.1	PHAS=	301.2	FOM=	0.36
INDE	-2	2	7	FOBS=	121.2	SIGMA=	3.8	PHAS=	55.1	FOM=	0.95
INDE	-2	2	8	FOBS=	236.2	SIGMA=	1.9	PHAS=	248.6	FOM=	0.97
INDE	-2	2	9	FOBS=	478.1	SIGMA=	1.2	PHAS=	31.6	FOM=	0.85
INDE	-2	2	10	FOBS=	347.3	SIGMA=	1.7	PHAS=	233.9	FOM=	0.92
INDE	-2	2	11	FOBS=	293.1	SIGMA=	2.1	PHAS=	117.8	FOM=	0.90
INDE	-2	2	12	FOBS=	168.2	SIGMA=	4.2	PHAS=	74.7	FOM=	0.67
INDE	-2	2	13	FOBS=	193.8	SIGMA=	3.6	PHAS=	334.9	FOM=	0.38
INDE	-2	2	14	FOBS=	102.0	SIGMA=	7.0	PHAS=	209.9	FOM=	0.03
INDE	-2	2	15	FOBS=	107.7	SIGMA=	6.6	PHAS=	69.4	FOM=	0.08
INDE	-2	2	16	FOBS=	80.4	SIGMA=	8.9	PHAS=	234.7	FOM=	0.04
INDE	-2	2	17	FOBS=	80.4	SIGMA=	10.1	PHAS=	10.6	FOM=	0.07
INDE	-2	3	1	FOBS=	111.1	SIGMA=	2.7	PHAS=	329.8	FOM=	0.94
INDE	-2	3	2	FOBS=	159.5	SIGMA=	2.1	PHAS=	124.6	FOM=	0.63
INDE	-2	3	3	FOBS=	211.0	SIGMA=	1.0	PHAS=	299.3	FOM=	0.75
INDE	-2	3	4	FOBS=	640.0	SIGMA=	0.7	PHAS=	337.9	FOM=	0.98
INDE	-2	3	5	FOBS=	196.8	SIGMA=	1.4	PHAS=	56.7	FOM=	0.91
INDE	-2	3	6	FOBS=	288.6	SIGMA=	1.2	PHAS=	292.2	FOM=	0.98
INDE	-2	3	7	FOBS=	109.5	SIGMA=	3.7	PHAS=	216.8	FOM=	0.88
INDE	-2	3	8	FOBS=	55.5	SIGMA=	9.9	PHAS=	160.9	FOM=	0.42
INDE	-2	3	9	FOBS=	151.0	SIGMA=	3.7	PHAS=	9.8	FOM=	0.96
INDE	-2	3	10	FOBS=	243.5	SIGMA=	2.2	PHAS=	177.6	FOM=	0.97
INDE	-2	3	11	FOBS=	372.6	SIGMA=	1.7	PHAS=	132.5	FOM=	0.82
INDE	-2	3	12	FOBS=	238.9	SIGMA=	2.7	PHAS=	212.8	FOM=	0.46
INDE	-2	3	13	FOBS=	237.6	SIGMA=	2.9	PHAS=	211.8	FOM=	0.39
INDE	-2	3	14	FOBS=	305.0	SIGMA=	2.4	PHAS=	355.1	FOM=	0.82
INDE	-2	3	15	FOBS=	106.8	SIGMA=	6.8	PHAS=	180.7	FOM=	0.39
INDE	-2	3	16	FOBS=	144.5	SIGMA=	5.0	PHAS=	281.5	FOM=	0.43
INDE	-2	3	17	FOBS=	180.5	SIGMA=	6.7	PHAS=	9.3	FOM=	0.08
INDE	-2	4	1	FOBS=	131.6	SIGMA=	2.5	PHAS=	255.9	FOM=	0.93
INDE	-2	4	2	FOBS=	272.9	SIGMA=	1.4	PHAS=	235.9	FOM=	0.99
INDE	-2	4	3	FOBS=	407.7	SIGMA=	1.0	PHAS=	167.5	FOM=	0.98
INDE	-2	4	4	FOBS=	217.6	SIGMA=	1.1	PHAS=	111.4	FOM=	0.99
INDE	-2	4	5	FOBS=	152.0	SIGMA=	1.8	PHAS=	247.7	FOM=	0.95
INDE	-2	4	6	FOBS=	194.7	SIGMA=	1.7	PHAS=	171.5	FOM=	1.00
INDE	-2	4	7	FOBS=	308.9	SIGMA=	1.3	PHAS=	110.1	FOM=	0.98
INDE	-2	4	8	FOBS=	91.6	SIGMA=	5.0	PHAS=	226.7	FOM=	0.45
INDE	-2	4	9	FOBS=	128.5	SIGMA=	4.5	PHAS=	333.0	FOM=	0.63
INDE	-2	4	10	FOBS=	168.6	SIGMA=	7.9	PHAS=	140.3	FOM=	0.21
INDE	-2	4	11	FOBS=	181.3	SIGMA=	3.2	PHAS=	111.8	FOM=	0.32
INDE	-2	4	12	FOBS=	470.0	SIGMA=	1.6	PHAS=	25.8	FOM=	0.97
INDE	-2	4	13	FOBS=	202.3	SIGMA=	3.5	PHAS=	157.6	FOM=	0.33
INDE	-2	4	14	FOBS=	295.9	SIGMA=	2.4	PHAS=	105.8	FOM=	0.57
INDE	-2	4	15	FOBS=	88.8	SIGMA=	8.0	PHAS=	29.1	FOM=	0.40
INDE	-2	4	16	FOBS=	68.8	SIGMA=	10.5	PHAS=	269.7	FOM=	0.05
INDE	-2	5	1	FOBS=	269.8	SIGMA=	1.6	PHAS=	202.9	FOM=	1.00
INDE	-2	5	2	FOBS=	257.3	SIGMA=	1.5	PHAS=	107.5	FOM=	0.97
INDE	-2	5	3	FOBS=	509.8	SIGMA=	1.0	PHAS=	185.7	FOM=	0.96
INDE	-2	5	4	FOBS=	158.3	SIGMA=	1.5	PHAS=	310.8	FOM=	0.65
INDE	-2	5	5	FOBS=	227.3	SIGMA=	1.3	PHAS=	161.2	FOM=	0.89
INDE	-2	5	6	FOBS=	119.6	SIGMA=	2.6	PHAS=	41.2	FOM=	0.92
INDE	-2	5	7	FOBS=	77.0	SIGMA=	5.0	PHAS=	67.7	FOM=	0.53
INDE	-2	5	8	FOBS=	205.5	SIGMA=	2.1	PHAS=	271.9	FOM=	0.79
INDE	-2	5	9	FOBS=	117.9	SIGMA=	4.8	PHAS=	75.8	FOM=	0.43
INDE	-2	5	10	FOBS=	222.0	SIGMA=	2.7	PHAS=	163.8	FOM=	0.49
INDE	-2	5	11	FOBS=	139.1	SIGMA=	4.4	PHAS=	254.6	FOM=	0.56
INDE	-2	5	12	FOBS=	120.4	SIGMA=	5.7	PHAS=	113.3	FOM=	0.06
INDE	-2	5	13	FOBS=	485.9	SIGMA=	1.7	PHAS=	162.8	FOM=	0.96
INDE	-2	5	14	FOBS=	193.4	SIGMA=	3.9	PHAS=	6.3	FOM=	0.60

Fig. 10A-68

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INDE	-2	5	15	FOBS=	201.2	SIGMA=	3.6	PHAS=	331.4	FOM=	0.43
INDE	-2	5	16	FOBS=	69.1	SIGMA=	10.3	PHAS=	152.2	FOM=	0.08
INDE	-2	6	1	FOBS=	314.8	SIGMA=	0.8	PHAS=	104.3	FOM=	0.46
INDE	-2	6	2	FOBS=	340.1	SIGMA=	1.5	PHAS=	251.1	FOM=	0.94
INDE	-2	6	3	FOBS=	243.9	SIGMA=	1.1	PHAS=	319.6	FOM=	0.82
INDE	-2	6	4	FOBS=	227.9	SIGMA=	1.4	PHAS=	51.6	FOM=	0.88
INDE	-2	6	5	FOBS=	215.2	SIGMA=	1.5	PHAS=	153.0	FOM=	0.87
INDE	-2	6	6	FOBS=	183.1	SIGMA=	1.8	PHAS=	315.1	FOM=	0.58
INDE	-2	6	7	FOBS=	119.7	SIGMA=	3.0	PHAS=	189.9	FOM=	0.93
INDE	-2	6	8	FOBS=	108.7	SIGMA=	4.2	PHAS=	136.0	FOM=	0.46
INDE	-2	6	9	FOBS=	291.6	SIGMA=	1.8	PHAS=	213.5	FOM=	0.14
INDE	-2	6	10	FOBS=	183.2	SIGMA=	3.3	PHAS=	208.6	FOM=	0.61
INDE	-2	6	11	FOBS=	88.7	SIGMA=	7.0	PHAS=	280.4	FOM=	0.14
INDE	-2	6	12	FOBS=	480.6	SIGMA=	1.6	PHAS=	69.1	FOM=	0.93
INDE	-2	6	13	FOBS=	218.7	SIGMA=	3.5	PHAS=	289.8	FOM=	0.66
INDE	-2	6	14	FOBS=	57.3	SIGMA=	12.8	PHAS=	241.8	FOM=	0.07
INDE	-2	6	15	FOBS=	139.5	SIGMA=	5.3	PHAS=	45.1	FOM=	0.44
INDE	-2	6	16	FOBS=	69.3	SIGMA=	11.1	PHAS=	284.7	FOM=	0.11
INDE	-2	7	1	FOBS=	31.4	SIGMA=	8.0	PHAS=	210.3	FOM=	0.33
INDE	-2	7	2	FOBS=	243.6	SIGMA=	0.9	PHAS=	41.1	FOM=	0.33
INDE	-2	7	3	FOBS=	206.7	SIGMA=	1.2	PHAS=	129.9	FOM=	0.99
INDE	-2	7	4	FOBS=	496.8	SIGMA=	1.0	PHAS=	336.2	FOM=	0.99
INDE	-2	7	5	FOBS=	181.0	SIGMA=	2.0	PHAS=	81.8	FOM=	0.98
INDE	-2	7	6	FOBS=	215.1	SIGMA=	1.7	PHAS=	250.8	FOM=	0.98
INDE	-2	7	7	FOBS=	308.3	SIGMA=	1.4	PHAS=	42.5	FOM=	0.96
INDE	-2	7	8	FOBS=	370.6	SIGMA=	1.3	PHAS=	308.6	FOM=	0.90
INDE	-2	7	9	FOBS=	299.2	SIGMA=	1.8	PHAS=	234.9	FOM=	0.96
INDE	-2	7	10	FOBS=	208.4	SIGMA=	2.6	PHAS=	204.3	FOM=	0.79
INDE	-2	7	11	FOBS=	231.3	SIGMA=	2.9	PHAS=	237.2	FOM=	0.51
INDE	-2	7	12	FOBS=	233.2	SIGMA=	2.9	PHAS=	343.0	FOM=	0.67
INDE	-2	7	13	FOBS=	82.2	SIGMA=	8.7	PHAS=	137.4	FOM=	0.04
INDE	-2	7	14	FOBS=	192.8	SIGMA=	3.8	PHAS=	134.1	FOM=	0.06
INDE	-2	7	15	FOBS=	53.1	SIGMA=	14.1	PHAS=	15.7	FOM=	0.03
INDE	-2	7	16	FOBS=	146.7	SIGMA=	5.0	PHAS=	94.4	FOM=	0.07
INDE	-2	8	1	FOBS=	172.1	SIGMA=	1.3	PHAS=	152.8	FOM=	0.80
INDE	-2	8	2	FOBS=	308.9	SIGMA=	1.1	PHAS=	298.8	FOM=	0.86
INDE	-2	8	3	FOBS=	270.1	SIGMA=	1.2	PHAS=	236.7	FOM=	1.00
INDE	-2	8	4	FOBS=	306.8	SIGMA=	1.2	PHAS=	281.8	FOM=	0.15
INDE	-2	8	5	FOBS=	100.1	SIGMA=	3.1	PHAS=	87.5	FOM=	0.76
INDE	-2	8	6	FOBS=	115.5	SIGMA=	3.7	PHAS=	247.8	FOM=	0.64
INDE	-2	8	7	FOBS=	384.1	SIGMA=	1.2	PHAS=	252.6	FOM=	0.91
INDE	-2	8	8	FOBS=	378.4	SIGMA=	1.3	PHAS=	102.0	FOM=	0.65
INDE	-2	8	9	FOBS=	140.5	SIGMA=	3.7	PHAS=	55.8	FOM=	0.78
INDE	-2	8	10	FOBS=	373.6	SIGMA=	1.6	PHAS=	152.4	FOM=	0.97
INDE	-2	8	11	FOBS=	134.7	SIGMA=	5.0	PHAS=	299.3	FOM=	0.58
INDE	-2	8	12	FOBS=	184.5	SIGMA=	4.1	PHAS=	276.4	FOM=	0.11
INDE	-2	8	13	FOBS=	141.2	SIGMA=	5.1	PHAS=	168.1	FOM=	0.24
INDE	-2	8	14	FOBS=	162.1	SIGMA=	4.6	PHAS=	59.4	FOM=	0.10
INDE	-2	8	15	FOBS=	146.1	SIGMA=	5.0	PHAS=	331.9	FOM=	0.23
INDE	-2	8	16	FOBS=	56.3	SIGMA=	14.9	PHAS=	222.0	FOM=	0.05
INDE	-2	9	1	FOBS=	233.9	SIGMA=	1.1	PHAS=	141.2	FOM=	0.97
INDE	-2	9	2	FOBS=	294.7	SIGMA=	0.9	PHAS=	308.9	FOM=	0.82
INDE	-2	9	3	FOBS=	139.1	SIGMA=	1.7	PHAS=	121.8	FOM=	0.88
INDE	-2	9	4	FOBS=	114.7	SIGMA=	2.2	PHAS=	40.0	FOM=	0.98
INDE	-2	9	5	FOBS=	353.9	SIGMA=	1.1	PHAS=	50.0	FOM=	0.98
INDE	-2	9	6	FOBS=	251.2	SIGMA=	1.5	PHAS=	333.1	FOM=	0.50
INDE	-2	9	7	FOBS=	253.8	SIGMA=	1.9	PHAS=	34.7	FOM=	0.87
INDE	-2	9	8	FOBS=	213.5	SIGMA=	2.1	PHAS=	58.1	FOM=	0.90
INDE	-2	9	9	FOBS=	197.0	SIGMA=	2.4	PHAS=	51.7	FOM=	0.79
INDE	-2	9	10	FOBS=	102.9	SIGMA=	5.5	PHAS=	181.0	FOM=	0.74
INDE	-2	9	11	FOBS=	354.3	SIGMA=	1.9	PHAS=	235.0	FOM=	0.95
INDE	-2	9	12	FOBS=	81.6	SIGMA=	9.3	PHAS=	34.6	FOM=	0.06
INDE	-2	9	13	FOBS=	205.5	SIGMA=	3.8	PHAS=	111.7	FOM=	0.79
INDE	-2	9	14	FOBS=	239.2	SIGMA=	3.0	PHAS=	354.1	FOM=	0.96
INDE	-2	9	15	FOBS=	67.8	SIGMA=	10.5	PHAS=	136.0	FOM=	0.23
INDE	-2	9	16	FOBS=	59.1	SIGMA=	13.3	PHAS=	116.5	FOM=	0.10
INDE	-2	10	1	FOBS=	212.0	SIGMA=	1.2	PHAS=	291.9	FOM=	0.98
INDE	-2	10	2	FOBS=	302.8	SIGMA=	0.9	PHAS=	341.3	FOM=	0.27
INDE	-2	10	3	FOBS=	71.1	SIGMA=	3.7	PHAS=	198.7	FOM=	0.88
INDE	-2	10	4	FOBS=	123.7	SIGMA=	2.3	PHAS=	124.4	FOM=	0.55
INDE	-2	10	5	FOBS=	115.3	SIGMA=	3.3	PHAS=	207.4	FOM=	0.92

Fig. 10A-69

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INDE	-2	10	6	FOBS=	137.8	SIGMA=	2.6	PHAS=	133.9	FOM=	0.34
INDE	-2	10	7	FOBS=	76.7	SIGMA=	5.4	PHAS=	9.4	FOM=	0.83
INDE	-2	10	8	FOBS=	431.9	SIGMA=	1.4	PHAS=	88.9	FOM=	1.00
INDE	-2	10	9	FOBS=	106.6	SIGMA=	5.1	PHAS=	254.5	FOM=	0.29
INDE	-2	10	10	FOBS=	189.6	SIGMA=	2.8	PHAS=	117.7	FOM=	0.87
INDE	-2	10	11	FOBS=	158.3	SIGMA=	4.2	PHAS=	317.7	FOM=	0.59
INDE	-2	10	12	FOBS=	243.8	SIGMA=	2.7	PHAS=	244.1	FOM=	0.95
INDE	-2	10	13	FOBS=	314.0	SIGMA=	2.5	PHAS=	33.6	FOM=	0.46
INDE	-2	10	14	FOBS=	170.4	SIGMA=	4.5	PHAS=	265.5	FOM=	0.09
INDE	-2	10	15	FOBS=	100.1	SIGMA=	7.2	PHAS=	72.2	FOM=	0.73
INDE	-2	10	16	FOBS=	90.3	SIGMA=	7.9	PHAS=	232.0	FOM=	0.07
INDE	-2	11	1	FOBS=	297.2	SIGMA=	1.0	PHAS=	6.2	FOM=	0.98
INDE	-2	11	2	FOBS=	244.1	SIGMA=	1.1	PHAS=	31.6	FOM=	0.89
INDE	-2	11	3	FOBS=	79.2	SIGMA=	3.4	PHAS=	26.4	FOM=	0.91
INDE	-2	11	4	FOBS=	79.7	SIGMA=	3.9	PHAS=	126.8	FOM=	0.89
INDE	-2	11	5	FOBS=	65.6	SIGMA=	4.8	PHAS=	121.8	FOM=	0.80
INDE	-2	11	6	FOBS=	97.0	SIGMA=	3.5	PHAS=	189.0	FOM=	0.96
INDE	-2	11	7	FOBS=	79.6	SIGMA=	5.2	PHAS=	180.4	FOM=	0.64
INDE	-2	11	8	FOBS=	358.8	SIGMA=	1.5	PHAS=	191.2	FOM=	0.98
INDE	-2	11	9	FOBS=	232.9	SIGMA=	2.2	PHAS=	266.4	FOM=	0.97
INDE	-2	11	10	FOBS=	110.4	SIGMA=	5.4	PHAS=	55.1	FOM=	0.66
INDE	-2	11	11	FOBS=	141.5	SIGMA=	4.6	PHAS=	29.8	FOM=	0.33
INDE	-2	11	12	FOBS=	234.1	SIGMA=	2.8	PHAS=	224.0	FOM=	0.63
INDE	-2	11	13	FOBS=	209.8	SIGMA=	3.4	PHAS=	158.9	FOM=	0.63
INDE	-2	11	14	FOBS=	81.9	SIGMA=	9.8	PHAS=	330.6	FOM=	0.37
INDE	-2	11	15	FOBS=	191.4	SIGMA=	3.8	PHAS=	204.1	FOM=	0.73
INDE	-2	11	16	FOBS=	109.8	SIGMA=	6.5	PHAS=	19.0	FOM=	0.16
INDE	-2	12	1	FOBS=	131.3	SIGMA=	2.1	PHAS=	65.6	FOM=	0.94
INDE	-2	12	2	FOBS=	142.0	SIGMA=	2.0	PHAS=	298.2	FOM=	0.85
INDE	-2	12	3	FOBS=	350.2	SIGMA=	1.1	PHAS=	354.2	FOM=	0.96
INDE	-2	12	4	FOBS=	167.4	SIGMA=	2.0	PHAS=	316.7	FOM=	0.98
INDE	-2	12	5	FOBS=	231.3	SIGMA=	1.6	PHAS=	10.9	FOM=	0.99
INDE	-2	12	6	FOBS=	126.0	SIGMA=	3.3	PHAS=	97.1	FOM=	0.71
INDE	-2	12	7	FOBS=	188.4	SIGMA=	2.3	PHAS=	136.2	FOM=	0.85
INDE	-2	12	8	FOBS=	144.5	SIGMA=	3.0	PHAS=	84.5	FOM=	0.95
INDE	-2	12	9	FOBS=	66.5	SIGMA=	7.4	PHAS=	230.6	FOM=	0.01
INDE	-2	12	10	FOBS=	169.2	SIGMA=	3.3	PHAS=	149.7	FOM=	0.89
INDE	-2	12	11	FOBS=	92.7	SIGMA=	8.0	PHAS=	256.7	FOM=	0.39
INDE	-2	12	12	FOBS=	71.1	SIGMA=	10.3	PHAS=	22.2	FOM=	0.23
INDE	-2	12	13	FOBS=	220.4	SIGMA=	3.0	PHAS=	334.0	FOM=	0.20
INDE	-2	12	14	FOBS=	127.1	SIGMA=	6.2	PHAS=	100.7	FOM=	0.09
INDE	-2	12	15	FOBS=	179.4	SIGMA=	4.5	PHAS=	95.2	FOM=	0.29
INDE	-2	13	1	FOBS=	101.6	SIGMA=	2.9	PHAS=	599.9	FOM=	0.95
INDE	-2	13	2	FOBS=	34.2	SIGMA=	8.5	PHAS=	199.3	FOM=	0.34
INDE	-2	13	3	FOBS=	243.5	SIGMA=	1.3	PHAS=	293.8	FOM=	0.95
INDE	-2	13	4	FOBS=	112.9	SIGMA=	3.2	PHAS=	256.3	FOM=	0.76
INDE	-2	13	5	FOBS=	63.1	SIGMA=	5.0	PHAS=	173.6	FOM=	0.90
INDE	-2	13	6	FOBS=	304.5	SIGMA=	1.5	PHAS=	65.4	FOM=	0.98
INDE	-2	13	7	FOBS=	447.8	SIGMA=	1.2	PHAS=	359.5	FOM=	0.76
INDE	-2	13	8	FOBS=	233.4	SIGMA=	2.1	PHAS=	300.2	FOM=	0.88
INDE	-2	13	9	FOBS=	238.4	SIGMA=	2.1	PHAS=	231.3	FOM=	0.97
INDE	-2	13	10	FOBS=	83.6	SIGMA=	6.6	PHAS=	276.0	FOM=	0.53
INDE	-2	13	11	FOBS=	144.3	SIGMA=	4.5	PHAS=	288.4	FOM=	0.39
INDE	-2	13	12	FOBS=	253.5	SIGMA=	2.6	PHAS=	295.0	FOM=	0.57
INDE	-2	13	13	FOBS=	55.0	SIGMA=	25.6	PHAS=	189.6	FOM=	0.20
INDE	-2	13	14	FOBS=	145.3	SIGMA=	5.3	PHAS=	59.4	FOM=	0.44
INDE	-2	13	15	FOBS=	55.7	SIGMA=	17.7	PHAS=	215.7	FOM=	0.06
INDE	-2	14	1	FOBS=	196.2	SIGMA=	1.8	PHAS=	71.2	FOM=	0.88
INDE	-2	14	2	FOBS=	395.6	SIGMA=	1.0	PHAS=	69.8	FOM=	0.97
INDE	-2	14	3	FOBS=	233.4	SIGMA=	1.5	PHAS=	311.9	FOM=	0.99
INDE	-2	14	4	FOBS=	372.9	SIGMA=	1.2	PHAS=	138.9	FOM=	1.00
INDE	-2	14	5	FOBS=	298.4	SIGMA=	1.4	PHAS=	80.6	FOM=	0.95
INDE	-2	14	6	FOBS=	134.3	SIGMA=	2.8	PHAS=	147.8	FOM=	0.88
INDE	-2	14	7	FOBS=	445.1	SIGMA=	1.4	PHAS=	217.6	FOM=	0.96
INDE	-2	14	8	FOBS=	160.3	SIGMA=	3.1	PHAS=	24.9	FOM=	0.95
INDE	-2	14	9	FOBS=	170.6	SIGMA=	3.1	PHAS=	290.0	FOM=	0.79
INDE	-2	14	10	FOBS=	238.3	SIGMA=	2.4	PHAS=	172.4	FOM=	0.44
INDE	-2	14	11	FOBS=	340.3	SIGMA=	1.9	PHAS=	294.5	FOM=	0.96
INDE	-2	14	12	FOBS=	105.1	SIGMA=	6.2	PHAS=	240.6	FOM=	0.78
INDE	-2	14	13	FOBS=	76.4	SIGMA=	8.4	PHAS=	268.7	FOM=	0.24
INDE	-2	14	14	FOBS=	97.5	SIGMA=	7.1	PHAS=	274.7	FOM=	0.29

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INDE	-2	14	15	FOBS=	82.2	SIGMA=	8.9	PHAS=	75.9	FOM=	0.02
INDE	-2	15	1	FOBS=	170.5	SIGMA=	2.0	PHAS=	344.0	FOM=	0.96
INDE	-2	15	2	FOBS=	189.0	SIGMA=	1.9	PHAS=	158.2	FOM=	0.98
INDE	-2	15	3	FOBS=	490.7	SIGMA=	1.1	PHAS=	253.3	FOM=	0.90
INDE	-2	15	4	FOBS=	322.2	SIGMA=	1.4	PHAS=	147.8	FOM=	0.92
INDE	-2	15	5	FOBS=	424.2	SIGMA=	1.1	PHAS=	288.8	FOM=	0.96
INDE	-2	15	6	FOBS=	500.7	SIGMA=	1.3	PHAS=	139.1	FOM=	0.99
INDE	-2	15	7	FOBS=	267.1	SIGMA=	1.8	PHAS=	320.6	FOM=	0.93
INDE	-2	15	8	FOBS=	393.9	SIGMA=	1.5	PHAS=	137.2	FOM=	0.92
INDE	-2	15	9	FOBS=	219.9	SIGMA=	2.4	PHAS=	220.9	FOM=	0.80
INDE	-2	15	10	FOBS=	167.2	SIGMA=	3.6	PHAS=	321.2	FOM=	0.54
INDE	-2	15	11	FOBS=	271.1	SIGMA=	2.3	PHAS=	15.5	FOM=	0.90
INDE	-2	15	12	FOBS=	117.7	SIGMA=	5.3	PHAS=	288.2	FOM=	0.26
INDE	-2	15	13	FOBS=	221.6	SIGMA=	2.8	PHAS=	319.8	FOM=	0.85
INDE	-2	15	14	FOBS=	96.7	SIGMA=	6.5	PHAS=	348.9	FOM=	0.58
INDE	-2	15	15	FOBS=	114.5	SIGMA=	5.7	PHAS=	175.2	FOM=	0.20
INDE	-2	16	1	FOBS=	126.5	SIGMA=	2.6	PHAS=	127.5	FOM=	0.81
INDE	-2	16	2	FOBS=	122.8	SIGMA=	3.0	PHAS=	109.7	FOM=	0.94
INDE	-2	16	3	FOBS=	190.2	SIGMA=	1.9	PHAS=	192.9	FOM=	0.97
INDE	-2	16	4	FOBS=	472.2	SIGMA=	1.1	PHAS=	211.6	FOM=	0.98
INDE	-2	16	5	FOBS=	499.8	SIGMA=	1.6	PHAS=	268.5	FOM=	0.99
INDE	-2	16	6	FOBS=	482.0	SIGMA=	1.2	PHAS=	159.5	FOM=	0.97
INDE	-2	16	7	FOBS=	176.8	SIGMA=	2.4	PHAS=	106.9	FOM=	0.74
INDE	-2	16	8	FOBS=	230.1	SIGMA=	2.4	PHAS=	252.3	FOM=	0.92
INDE	-2	16	9	FOBS=	35.2	SIGMA=	14.5	PHAS=	199.9	FOM=	0.31
INDE	-2	16	10	FOBS=	228.5	SIGMA=	2.6	PHAS=	87.1	FOM=	0.96
INDE	-2	16	11	FOBS=	151.3	SIGMA=	4.2	PHAS=	21.4	FOM=	0.78
INDE	-2	16	12	FOBS=	103.4	SIGMA=	5.7	PHAS=	99.6	FOM=	0.65
INDE	-2	16	13	FOBS=	123.9	SIGMA=	5.0	PHAS=	130.7	FOM=	0.22
INDE	-2	16	14	FOBS=	81.3	SIGMA=	7.4	PHAS=	17.7	FOM=	0.12
INDE	-2	16	15	FOBS=	97.5	SIGMA=	11.1	PHAS=	258.3	FOM=	0.30
INDE	-2	17	1	FOBS=	204.3	SIGMA=	1.8	PHAS=	125.8	FOM=	0.96
INDE	-2	17	2	FOBS=	216.5	SIGMA=	1.7	PHAS=	192.9	FOM=	0.89
INDE	-2	17	3	FOBS=	157.4	SIGMA=	2.6	PHAS=	355.5	FOM=	0.83
INDE	-2	17	4	FOBS=	305.4	SIGMA=	1.5	PHAS=	12.1	FOM=	0.97
INDE	-2	17	5	FOBS=	316.1	SIGMA=	1.8	PHAS=	18.3	FOM=	0.72
INDE	-2	17	6	FOBS=	397.0	SIGMA=	1.3	PHAS=	206.3	FOM=	0.79
INDE	-2	17	7	FOBS=	374.0	SIGMA=	1.4	PHAS=	294.3	FOM=	1.00
INDE	-2	17	8	FOBS=	155.9	SIGMA=	3.1	PHAS=	340.5	FOM=	0.87
INDE	-2	17	9	FOBS=	143.5	SIGMA=	4.2	PHAS=	155.1	FOM=	0.63
INDE	-2	17	10	FOBS=	236.4	SIGMA=	2.4	PHAS=	34.7	FOM=	0.34
INDE	-2	17	11	FOBS=	154.9	SIGMA=	4.1	PHAS=	266.6	FOM=	0.83
INDE	-2	17	12	FOBS=	182.6	SIGMA=	3.3	PHAS=	45.0	FOM=	0.38
INDE	-2	17	13	FOBS=	43.1	SIGMA=	18.4	PHAS=	88.5	FOM=	0.14
INDE	-2	17	14	FOBS=	175.5	SIGMA=	3.5	PHAS=	310.3	FOM=	0.46
INDE	-2	18	1	FOBS=	125.7	SIGMA=	2.8	PHAS=	311.5	FOM=	0.87
INDE	-2	18	2	FOBS=	570.4	SIGMA=	1.0	PHAS=	294.3	FOM=	0.86
INDE	-2	18	3	FOBS=	269.2	SIGMA=	1.7	PHAS=	113.3	FOM=	0.94
INDE	-2	18	4	FOBS=	415.2	SIGMA=	1.5	PHAS=	388.6	FOM=	1.00
INDE	-2	18	5	FOBS=	377.3	SIGMA=	1.9	PHAS=	188.7	FOM=	0.63
INDE	-2	18	6	FOBS=	229.6	SIGMA=	1.9	PHAS=	144.7	FOM=	0.76
INDE	-2	18	7	FOBS=	323.3	SIGMA=	1.6	PHAS=	121.4	FOM=	0.98
INDE	-2	18	8	FOBS=	194.1	SIGMA=	2.6	PHAS=	138.1	FOM=	0.89
INDE	-2	18	9	FOBS=	268.7	SIGMA=	2.4	PHAS=	217.6	FOM=	0.58
INDE	-2	18	10	FOBS=	159.1	SIGMA=	3.9	PHAS=	235.9	FOM=	0.50
INDE	-2	18	11	FOBS=	135.9	SIGMA=	4.4	PHAS=	124.9	FOM=	0.17
INDE	-2	18	12	FOBS=	160.4	SIGMA=	3.9	PHAS=	143.8	FOM=	0.04
INDE	-2	18	13	FOBS=	86.1	SIGMA=	6.6	PHAS=	134.4	FOM=	0.39
INDE	-2	18	14	FOBS=	81.4	SIGMA=	7.3	PHAS=	311.8	FOM=	0.02
INDE	-2	19	1	FOBS=	84.1	SIGMA=	3.9	PHAS=	224.9	FOM=	0.92
INDE	-2	19	2	FOBS=	256.8	SIGMA=	1.6	PHAS=	353.0	FOM=	0.17
INDE	-2	19	3	FOBS=	174.7	SIGMA=	2.1	PHAS=	115.2	FOM=	0.95
INDE	-2	19	4	FOBS=	177.3	SIGMA=	2.5	PHAS=	305.5	FOM=	0.38
INDE	-2	19	5	FOBS=	349.6	SIGMA=	1.6	PHAS=	125.5	FOM=	0.94
INDE	-2	19	6	FOBS=	477.5	SIGMA=	1.2	PHAS=	166.2	FOM=	0.91
INDE	-2	19	7	FOBS=	286.4	SIGMA=	1.8	PHAS=	193.7	FOM=	0.78
INDE	-2	19	8	FOBS=	71.1	SIGMA=	7.0	PHAS=	95.7	FOM=	0.13
INDE	-2	19	9	FOBS=	124.5	SIGMA=	4.7	PHAS=	15.2	FOM=	0.15
INDE	-2	19	10	FOBS=	189.0	SIGMA=	3.1	PHAS=	79.4	FOM=	0.54
INDE	-2	19	11	FOBS=	152.0	SIGMA=	4.1	PHAS=	33.5	FOM=	0.60
INDE	-2	19	12	FOBS=	121.3	SIGMA=	4.9	PHAS=	102.8	FOM=	0.03

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INDE	-2	19	13	FOBS=	138.3	SIGMA=	4.4	PHAS=	114.1	FOM=	0.17
INDE	-2	19	14	FOBS=	96.0	SIGMA=	7.0	PHAS=	313.4	FOM=	0.12
INDE	-2	20	1	FOBS=	337.2	SIGMA=	1.4	PHAS=	145.7	FOM=	0.80
INDE	-2	20	2	FOBS=	277.1	SIGMA=	1.7	PHAS=	283.1	FOM=	0.53
INDE	-2	20	3	FOBS=	71.8	SIGMA=	5.2	PHAS=	285.9	FOM=	0.47
INDE	-2	20	4	FOBS=	73.3	SIGMA=	5.2	PHAS=	156.9	FOM=	0.58
INDE	-2	20	5	FOBS=	225.4	SIGMA=	2.3	PHAS=	277.9	FOM=	0.51
INDE	-2	20	6	FOBS=	559.8	SIGMA=	1.6	PHAS=	314.8	FOM=	0.80
INDE	-2	20	7	FOBS=	57.0	SIGMA=	8.1	PHAS=	55.9	FOM=	0.10
INDE	-2	20	8	FOBS=	211.3	SIGMA=	2.4	PHAS=	255.4	FOM=	0.74
INDE	-2	20	9	FOBS=	67.7	SIGMA=	7.9	PHAS=	133.7	FOM=	0.09
INDE	-2	20	10	FOBS=	204.9	SIGMA=	2.8	PHAS=	3.0	FOM=	0.69
INDE	-2	20	11	FOBS=	164.7	SIGMA=	3.8	PHAS=	194.7	FOM=	0.78
INDE	-2	20	12	FOBS=	138.3	SIGMA=	4.3	PHAS=	41.6	FOM=	0.11
INDE	-2	20	13	FOBS=	106.6	SIGMA=	5.5	PHAS=	288.0	FOM=	0.14
INDE	-2	21	1	FOBS=	128.7	SIGMA=	3.1	PHAS=	150.0	FOM=	0.77
INDE	-2	21	2	FOBS=	122.6	SIGMA=	3.4	PHAS=	0.9	FOM=	0.54
INDE	-2	21	3	FOBS=	325.4	SIGMA=	1.4	PHAS=	356.2	FOM=	0.63
INDE	-2	21	4	FOBS=	350.4	SIGMA=	1.5	PHAS=	52.5	FOM=	0.97
INDE	-2	21	5	FOBS=	167.4	SIGMA=	2.7	PHAS=	193.3	FOM=	0.51
INDE	-2	21	6	FOBS=	194.2	SIGMA=	2.9	PHAS=	313.0	FOM=	0.94
INDE	-2	21	7	FOBS=	190.6	SIGMA=	2.8	PHAS=	243.9	FOM=	0.57
INDE	-2	21	8	FOBS=	130.0	SIGMA=	3.9	PHAS=	291.6	FOM=	0.04
INDE	-2	21	9	FOBS=	406.7	SIGMA=	1.5	PHAS=	41.4	FOM=	1.00
INDE	-2	21	10	FOBS=	207.7	SIGMA=	3.0	PHAS=	233.1	FOM=	0.86
INDE	-2	21	11	FOBS=	58.0	SIGMA=	9.8	PHAS=	144.1	FOM=	0.05
INDE	-2	21	12	FOBS=	53.5	SIGMA=	29.6	PHAS=	17.1	FOM=	0.12
INDE	-2	21	13	FOBS=	72.6	SIGMA=	7.7	PHAS=	338.8	FOM=	0.13
INDE	-2	22	1	FOBS=	92.7	SIGMA=	4.2	PHAS=	55.7	FOM=	0.72
INDE	-2	22	2	FOBS=	87.3	SIGMA=	5.7	PHAS=	107.1	FOM=	0.81
INDE	-2	22	3	FOBS=	391.3	SIGMA=	1.3	PHAS=	341.4	FOM=	0.97
INDE	-2	22	4	FOBS=	124.6	SIGMA=	3.4	PHAS=	46.4	FOM=	0.94
INDE	-2	22	5	FOBS=	488.7	SIGMA=	1.2	PHAS=	289.6	FOM=	0.97
INDE	-2	22	6	FOBS=	254.6	SIGMA=	2.2	PHAS=	175.5	FOM=	0.89
INDE	-2	22	7	FOBS=	343.5	SIGMA=	1.9	PHAS=	129.1	FOM=	0.99
INDE	-2	22	8	FOBS=	231.7	SIGMA=	2.3	PHAS=	65.0	FOM=	0.99
INDE	-2	22	9	FOBS=	205.1	SIGMA=	2.5	PHAS=	251.4	FOM=	0.63
INDE	-2	22	10	FOBS=	164.2	SIGMA=	3.4	PHAS=	181.6	FOM=	0.07
INDE	-2	22	11	FOBS=	132.7	SIGMA=	4.3	PHAS=	359.7	FOM=	0.31
INDE	-2	22	12	FOBS=	66.6	SIGMA=	8.5	PHAS=	19.3	FOM=	0.12
INDE	-2	23	1	FOBS=	110.6	SIGMA=	3.7	PHAS=	139.2	FOM=	0.90
INDE	-2	23	2	FOBS=	432.0	SIGMA=	1.7	PHAS=	16.8	FOM=	1.00
INDE	-2	23	3	FOBS=	261.7	SIGMA=	1.7	PHAS=	352.1	FOM=	0.79
INDE	-2	23	4	FOBS=	311.4	SIGMA=	1.6	PHAS=	315.8	FOM=	0.97
INDE	-2	23	5	FOBS=	123.2	SIGMA=	3.8	PHAS=	335.1	FOM=	0.92
INDE	-2	23	6	FOBS=	205.5	SIGMA=	2.3	PHAS=	243.5	FOM=	0.60
INDE	-2	23	7	FOBS=	78.0	SIGMA=	7.2	PHAS=	328.3	FOM=	0.03
INDE	-2	23	8	FOBS=	241.3	SIGMA=	2.5	PHAS=	323.4	FOM=	0.87
INDE	-2	23	9	FOBS=	155.3	SIGMA=	3.2	PHAS=	43.0	FOM=	0.68
INDE	-2	23	10	FOBS=	95.0	SIGMA=	5.2	PHAS=	30.5	FOM=	0.11
INDE	-2	23	11	FOBS=	124.8	SIGMA=	4.9	PHAS=	357.2	FOM=	0.64
INDE	-2	23	12	FOBS=	110.7	SIGMA=	5.1	PHAS=	143.7	FOM=	0.17
INDE	-2	24	1	FOBS=	93.2	SIGMA=	4.3	PHAS=	121.9	FOM=	0.53
INDE	-2	24	2	FOBS=	360.0	SIGMA=	2.0	PHAS=	146.7	FOM=	1.00
INDE	-2	24	3	FOBS=	110.0	SIGMA=	4.0	PHAS=	56.3	FOM=	0.96
INDE	-2	24	4	FOBS=	165.0	SIGMA=	2.5	PHAS=	13.0	FOM=	0.93
INDE	-2	24	5	FOBS=	127.3	SIGMA=	3.7	PHAS=	238.1	FOM=	0.29
INDE	-2	24	6	FOBS=	163.2	SIGMA=	2.8	PHAS=	226.5	FOM=	0.91
INDE	-2	24	7	FOBS=	273.1	SIGMA=	2.3	PHAS=	47.9	FOM=	0.95
INDE	-2	24	8	FOBS=	200.7	SIGMA=	2.8	PHAS=	307.0	FOM=	0.91
INDE	-2	24	9	FOBS=	117.8	SIGMA=	4.8	PHAS=	223.9	FOM=	0.79
INDE	-2	24	10	FOBS=	161.1	SIGMA=	3.3	PHAS=	42.3	FOM=	0.59
INDE	-2	24	11	FOBS=	114.2	SIGMA=	5.0	PHAS=	265.2	FOM=	0.73
INDE	-2	24	12	FOBS=	77.2	SIGMA=	32.4	PHAS=	189.6	FOM=	0.20
INDE	-2	25	1	FOBS=	175.2	SIGMA=	2.4	PHAS=	35.3	FOM=	0.85
INDE	-2	25	2	FOBS=	124.6	SIGMA=	5.0	PHAS=	6.8	FOM=	0.62
INDE	-2	25	3	FOBS=	151.3	SIGMA=	2.8	PHAS=	233.1	FOM=	0.86
INDE	-2	25	4	FOBS=	274.4	SIGMA=	1.7	PHAS=	338.5	FOM=	0.54
INDE	-2	25	5	FOBS=	183.3	SIGMA=	2.5	PHAS=	343.8	FOM=	0.80
INDE	-2	25	6	FOBS=	170.3	SIGMA=	2.7	PHAS=	334.0	FOM=	0.83
INDE	-2	25	7	FOBS=	145.3	SIGMA=	3.4	PHAS=	140.7	FOM=	0.19

Fig. 10A-72

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INDE	-2	25	8	FOBS=	157.8	SIGMA=	3.1	PHAS=	1.9	FOM=	0.33
INDE	-2	25	9	FOBS=	227.2	SIGMA=	2.3	PHAS=	154.8	FOM=	0.88
INDE	-2	25	10	FOBS=	37.9	SIGMA=	19.9	PHAS=	318.5	FOM=	0.19
INDE	-2	25	11	FOBS=	150.6	SIGMA=	3.7	PHAS=	160.3	FOM=	0.54
INDE	-2	26	1	FOBS=	141.6	SIGMA=	3.0	PHAS=	185.7	FOM=	0.82
INDE	-2	26	2	FOBS=	237.1	SIGMA=	2.7	PHAS=	170.1	FOM=	0.13
INDE	-2	26	3	FOBS=	210.2	SIGMA=	2.0	PHAS=	231.5	FOM=	0.97
INDE	-2	26	4	FOBS=	331.2	SIGMA=	1.5	PHAS=	23.9	FOM=	0.99
INDE	-2	26	5	FOBS=	62.7	SIGMA=	7.4	PHAS=	58.5	FOM=	0.29
INDE	-2	26	6	FOBS=	113.0	SIGMA=	4.2	PHAS=	75.3	FOM=	0.83
INDE	-2	26	7	FOBS=	140.6	SIGMA=	3.4	PHAS=	267.0	FOM=	0.96
INDE	-2	26	8	FOBS=	172.6	SIGMA=	3.2	PHAS=	63.1	FOM=	0.90
INDE	-2	26	9	FOBS=	125.9	SIGMA=	3.8	PHAS=	237.8	FOM=	0.10
INDE	-2	26	10	FOBS=	55.6	SIGMA=	9.0	PHAS=	227.1	FOM=	0.10
INDE	-2	27	1	FOBS=	221.3	SIGMA=	2.0	PHAS=	209.2	FOM=	0.49
INDE	-2	27	2	FOBS=	100.4	SIGMA=	6.0	PHAS=	17.1	FOM=	0.44
INDE	-2	27	3	FOBS=	195.1	SIGMA=	2.2	PHAS=	301.5	FOM=	0.95
INDE	-2	27	4	FOBS=	269.5	SIGMA=	1.9	PHAS=	354.7	FOM=	0.96
INDE	-2	27	5	FOBS=	68.1	SIGMA=	6.5	PHAS=	272.2	FOM=	0.13
INDE	-2	27	6	FOBS=	97.0	SIGMA=	4.5	PHAS=	187.6	FOM=	0.38
INDE	-2	27	7	FOBS=	135.6	SIGMA=	3.4	PHAS=	285.0	FOM=	0.57
INDE	-2	27	8	FOBS=	190.9	SIGMA=	2.8	PHAS=	287.0	FOM=	0.87
INDE	-2	27	9	FOBS=	120.3	SIGMA=	3.9	PHAS=	225.4	FOM=	0.85
INDE	-2	27	10	FOBS=	127.6	SIGMA=	5.0	PHAS=	332.0	FOM=	0.51
INDE	-2	28	1	FOBS=	331.7	SIGMA=	1.5	PHAS=	56.8	FOM=	0.83
INDE	-2	28	2	FOBS=	282.6	SIGMA=	2.0	PHAS=	198.4	FOM=	0.08
INDE	-2	28	3	FOBS=	80.8	SIGMA=	5.1	PHAS=	155.2	FOM=	0.12
INDE	-2	28	4	FOBS=	51.7	SIGMA=	8.2	PHAS=	283.0	FOM=	0.19
INDE	-2	28	5	FOBS=	139.0	SIGMA=	3.3	PHAS=	51.1	FOM=	0.84
INDE	-2	28	6	FOBS=	193.3	SIGMA=	2.3	PHAS=	102.1	FOM=	0.39
INDE	-2	28	7	FOBS=	210.3	SIGMA=	2.2	PHAS=	317.3	FOM=	0.97
INDE	-2	28	8	FOBS=	224.0	SIGMA=	2.2	PHAS=	94.1	FOM=	0.96
INDE	-2	28	9	FOBS=	166.4	SIGMA=	3.0	PHAS=	304.4	FOM=	0.19
INDE	-2	29	1	FOBS=	47.3	SIGMA=	8.8	PHAS=	141.6	FOM=	0.23
INDE	-2	29	2	FOBS=	126.0	SIGMA=	4.1	PHAS=	8.3	FOM=	0.77
INDE	-2	29	3	FOBS=	111.4	SIGMA=	3.7	PHAS=	73.6	FOM=	0.25
INDE	-2	29	4	FOBS=	194.1	SIGMA=	2.3	PHAS=	125.4	FOM=	0.96
INDE	-2	29	5	FOBS=	141.9	SIGMA=	3.2	PHAS=	48.9	FOM=	0.71
INDE	-2	29	6	FOBS=	188.5	SIGMA=	2.4	PHAS=	300.0	FOM=	0.95
INDE	-2	29	7	FOBS=	166.7	SIGMA=	2.6	PHAS=	186.6	FOM=	0.49
INDE	-2	29	8	FOBS=	114.7	SIGMA=	3.9	PHAS=	108.5	FOM=	0.05
INDE	-2	30	1	FOBS=	44.1	SIGMA=	10.1	PHAS=	270.4	FOM=	0.16
INDE	-2	30	2	FOBS=	201.4	SIGMA=	2.2	PHAS=	55.5	FOM=	0.95
INDE	-2	30	3	FOBS=	229.1	SIGMA=	1.9	PHAS=	233.9	FOM=	0.96
INDE	-2	30	4	FOBS=	88.6	SIGMA=	4.6	PHAS=	80.5	FOM=	0.60
INDE	-2	30	5	FOBS=	117.6	SIGMA=	3.8	PHAS=	303.5	FOM=	0.78
INDE	-2	30	6	FOBS=	208.5	SIGMA=	2.1	PHAS=	28.7	FOM=	0.76
INDE	-2	30	7	FOBS=	90.0	SIGMA=	4.7	PHAS=	108.2	FOM=	0.24
INDE	-2	31	1	FOBS=	205.0	SIGMA=	2.3	PHAS=	290.6	FOM=	0.69
INDE	-2	31	2	FOBS=	59.2	SIGMA=	5.4	PHAS=	217.6	FOM=	0.74
INDE	-2	31	3	FOBS=	35.5	SIGMA=	16.9	PHAS=	140.3	FOM=	0.15
INDE	-2	31	4	FOBS=	126.1	SIGMA=	3.3	PHAS=	4.2	FOM=	0.69
INDE	-2	31	5	FOBS=	27.5	SIGMA=	14.2	PHAS=	351.5	FOM=	0.05
INDE	-2	31	6	FOBS=	103.4	SIGMA=	4.2	PHAS=	109.2	FOM=	0.30
INDE	-2	32	1	FOBS=	82.5	SIGMA=	5.5	PHAS=	61.1	FOM=	0.26
INDE	-2	32	2	FOBS=	53.5	SIGMA=	7.9	PHAS=	127.9	FOM=	0.25
INDE	-2	32	3	FOBS=	34.3	SIGMA=	14.5	PHAS=	301.5	FOM=	0.21
INDE	-2	32	4	FOBS=	77.2	SIGMA=	5.1	PHAS=	5.5	FOM=	0.02
INDE	-2	33	1	FOBS=	162.0	SIGMA=	3.3	PHAS=	235.4	FOM=	0.81
INDE	-2	33	2	FOBS=	58.2	SIGMA=	10.2	PHAS=	289.9	FOM=	0.13
INDE	-1	0	3	FOBS=	147.4	SIGMA=	1.8	PHAS=	0.0	FOM=	1.00
INDE	-1	0	4	FOBS=	183.4	SIGMA=	1.9	PHAS=	180.0	FOM=	0.12
INDE	-1	0	5	FOBS=	91.4	SIGMA=	4.3	PHAS=	0.0	FOM=	1.00
INDE	-1	0	6	FOBS=	295.3	SIGMA=	1.9	PHAS=	180.0	FOM=	1.00
INDE	-1	0	7	FOBS=	64.3	SIGMA=	11.9	PHAS=	180.0	FOM=	0.20
INDE	-1	0	8	FOBS=	142.3	SIGMA=	5.0	PHAS=	180.0	FOM=	0.71
INDE	-1	0	9	FOBS=	51.8	SIGMA=	14.0	PHAS=	0.0	FOM=	0.36
INDE	-1	0	10	FOBS=	289.4	SIGMA=	2.8	PHAS=	180.0	FOM=	0.00
INDE	-1	0	11	FOBS=	100.7	SIGMA=	8.8	PHAS=	180.0	FOM=	0.03
INDE	-1	0	12	FOBS=	224.8	SIGMA=	4.5	PHAS=	0.0	FOM=	0.55
INDE	-1	0	13	FOBS=	91.2	SIGMA=	11.7	PHAS=	180.0	FOM=	0.13

Fig. 10A-73



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INDE	-1	0	14	FOBS=	65.4	SIGMA=	17.0	PHAS=	0.0	FOM=	0.08
INDE	-1	0	15	FOBS=	38.4	SIGMA=	46.3	PHAS=	180.0	FOM=	0.15
INDE	-1	0	16	FOBS=	104.6	SIGMA=	10.2	PHAS=	180.0	FOM=	0.04
INDE	-1	1	3	FOBS=	189.9	SIGMA=	1.0	PHAS=	329.7	FOM=	0.95
INDE	-1	1	4	FOBS=	424.4	SIGMA=	1.0	PHAS=	128.5	FOM=	1.00
INDE	-1	1	5	FOBS=	379.5	SIGMA=	1.2	PHAS=	110.3	FOM=	0.98
INDE	-1	1	6	FOBS=	307.5	SIGMA=	1.4	PHAS=	279.7	FOM=	0.98
INDE	-1	1	7	FOBS=	487.2	SIGMA=	1.4	PHAS=	136.2	FOM=	0.98
INDE	-1	1	8	FOBS=	134.5	SIGMA=	4.5	PHAS=	285.5	FOM=	0.94
INDE	-1	1	9	FOBS=	105.9	SIGMA=	5.1	PHAS=	61.2	FOM=	0.76
INDE	-1	1	10	FOBS=	219.5	SIGMA=	2.6	PHAS=	170.9	FOM=	0.12
INDE	-1	1	11	FOBS=	57.3	SIGMA=	12.1	PHAS=	264.7	FOM=	0.17
INDE	-1	1	12	FOBS=	193.5	SIGMA=	3.6	PHAS=	10.4	FOM=	0.60
INDE	-1	1	13	FOBS=	211.5	SIGMA=	3.6	PHAS=	119.2	FOM=	0.12
INDE	-1	1	14	FOBS=	204.5	SIGMA=	3.8	PHAS=	120.7	FOM=	0.40
INDE	-1	1	15	FOBS=	116.7	SIGMA=	6.4	PHAS=	358.0	FOM=	0.14
INDE	-1	1	16	FOBS=	92.4	SIGMA=	7.9	PHAS=	343.4	FOM=	0.18
INDE	-1	2	2	FOBS=	201.5	SIGMA=	1.1	PHAS=	168.1	FOM=	1.00
INDE	-1	2	3	FOBS=	536.4	SIGMA=	0.7	PHAS=	124.9	FOM=	1.00
INDE	-1	2	4	FOBS=	378.3	SIGMA=	0.8	PHAS=	62.9	FOM=	0.99
INDE	-1	2	5	FOBS=	253.0	SIGMA=	1.5	PHAS=	253.7	FOM=	0.97
INDE	-1	2	6	FOBS=	574.6	SIGMA=	1.2	PHAS=	229.6	FOM=	0.58
INDE	-1	2	7	FOBS=	163.5	SIGMA=	2.5	PHAS=	53.0	FOM=	0.45
INDE	-1	2	8	FOBS=	184.5	SIGMA=	2.8	PHAS=	196.9	FOM=	0.52
INDE	-1	2	9	FOBS=	123.5	SIGMA=	5.0	PHAS=	25.7	FOM=	0.88
INDE	-1	2	10	FOBS=	195.2	SIGMA=	2.9	PHAS=	155.6	FOM=	0.92
INDE	-1	2	11	FOBS=	204.1	SIGMA=	3.0	PHAS=	246.4	FOM=	0.85
INDE	-1	2	12	FOBS=	282.8	SIGMA=	2.5	PHAS=	20.2	FOM=	0.61
INDE	-1	2	13	FOBS=	103.0	SIGMA=	7.2	PHAS=	130.5	FOM=	0.43
INDE	-1	2	14	FOBS=	83.8	SIGMA=	9.0	PHAS=	320.5	FOM=	0.38
INDE	-1	2	15	FOBS=	76.2	SIGMA=	9.7	PHAS=	252.8	FOM=	0.08
INDE	-1	2	16	FOBS=	144.1	SIGMA=	5.3	PHAS=	199.5	FOM=	0.07
INDE	-1	3	2	FOBS=	166.0	SIGMA=	1.5	PHAS=	55.2	FOM=	0.71
INDE	-1	3	3	FOBS=	157.2	SIGMA=	1.3	PHAS=	257.4	FOM=	1.00
INDE	-1	3	4	FOBS=	429.4	SIGMA=	0.9	PHAS=	85.9	FOM=	0.97
INDE	-1	3	5	FOBS=	185.4	SIGMA=	1.9	PHAS=	20.7	FOM=	0.08
INDE	-1	3	6	FOBS=	359.5	SIGMA=	1.1	PHAS=	329.9	FOM=	0.99
INDE	-1	3	7	FOBS=	177.6	SIGMA=	2.2	PHAS=	187.9	FOM=	0.10
INDE	-1	3	8	FOBS=	221.7	SIGMA=	2.2	PHAS=	299.2	FOM=	0.64
INDE	-1	3	9	FOBS=	245.8	SIGMA=	2.4	PHAS=	206.3	FOM=	0.93
INDE	-1	3	10	FOBS=	70.9	SIGMA=	8.4	PHAS=	4.0	FOM=	0.05
INDE	-1	3	11	FOBS=	162.9	SIGMA=	4.1	PHAS=	266.6	FOM=	0.28
INDE	-1	3	12	FOBS=	194.4	SIGMA=	3.7	PHAS=	224.7	FOM=	0.35
INDE	-1	3	13	FOBS=	84.5	SIGMA=	9.1	PHAS=	33.4	FOM=	0.24
INDE	-1	3	14	FOBS=	199.2	SIGMA=	4.0	PHAS=	236.8	FOM=	0.68
INDE	-1	3	15	FOBS=	79.3	SIGMA=	9.4	PHAS=	106.5	FOM=	0.26
INDE	-1	3	16	FOBS=	190.2	SIGMA=	4.1	PHAS=	89.1	FOM=	0.26
INDE	-1	4	1	FOBS=	177.5	SIGMA=	1.6	PHAS=	144.3	FOM=	0.99
INDE	-1	4	2	FOBS=	136.2	SIGMA=	1.3	PHAS=	28.7	FOM=	0.97
INDE	-1	4	3	FOBS=	184.0	SIGMA=	1.1	PHAS=	51.0	FOM=	0.96
INDE	-1	4	4	FOBS=	99.0	SIGMA=	2.6	PHAS=	285.0	FOM=	0.98
INDE	-1	4	5	FOBS=	336.9	SIGMA=	1.2	PHAS=	321.1	FOM=	1.00
INDE	-1	4	6	FOBS=	230.7	SIGMA=	1.6	PHAS=	103.7	FOM=	0.85
INDE	-1	4	7	FOBS=	141.6	SIGMA=	2.8	PHAS=	3.5	FOM=	0.97
INDE	-1	4	8	FOBS=	201.3	SIGMA=	2.3	PHAS=	287.0	FOM=	0.52
INDE	-1	4	9	FOBS=	176.9	SIGMA=	3.0	PHAS=	308.0	FOM=	0.79
INDE	-1	4	10	FOBS=	197.7	SIGMA=	3.3	PHAS=	112.1	FOM=	0.77
INDE	-1	4	11	FOBS=	288.2	SIGMA=	2.3	PHAS=	87.1	FOM=	0.95
INDE	-1	4	12	FOBS=	216.8	SIGMA=	3.3	PHAS=	86.9	FOM=	0.39
INDE	-1	4	13	FOBS=	189.8	SIGMA=	4.1	PHAS=	295.7	FOM=	0.50
INDE	-1	4	14	FOBS=	53.6	SIGMA=	14.0	PHAS=	130.8	FOM=	0.22
INDE	-1	4	15	FOBS=	63.4	SIGMA=	45.5	PHAS=	289.7	FOM=	0.07
INDE	-1	4	16	FOBS=	51.0	SIGMA=	15.1	PHAS=	333.9	FOM=	0.04
INDE	-1	5	1	FOBS=	167.6	SIGMA=	1.9	PHAS=	242.0	FOM=	0.74
INDE	-1	5	2	FOBS=	405.5	SIGMA=	0.8	PHAS=	9.1	FOM=	0.71
INDE	-1	5	3	FOBS=	265.0	SIGMA=	1.2	PHAS=	267.7	FOM=	0.84
INDE	-1	5	4	FOBS=	281.2	SIGMA=	1.1	PHAS=	243.7	FOM=	0.97
INDE	-1	5	5	FOBS=	195.5	SIGMA=	1.6	PHAS=	313.9	FOM=	0.33
INDE	-1	5	6	FOBS=	139.4	SIGMA=	2.5	PHAS=	75.4	FOM=	0.90
INDE	-1	5	7	FOBS=	116.0	SIGMA=	3.9	PHAS=	215.2	FOM=	0.93
INDE	-1	5	8	FOBS=	259.2	SIGMA=	1.9	PHAS=	67.5	FOM=	0.95

Fig. 10A-74

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INDE	-1	5	9	FOBS=	64.5	SIGMA=	8.2	PHAS=	275.8	FOM=	0.30
INDE	-1	5	10	FOBS=	360.7	SIGMA=	1.8	PHAS=	149.5	FOM=	0.97
INDE	-1	5	11	FOBS=	125.4	SIGMA=	6.1	PHAS=	335.7	FOM=	0.51
INDE	-1	5	12	FOBS=	217.7	SIGMA=	3.3	PHAS=	209.1	FOM=	0.04
INDE	-1	5	13	FOBS=	140.8	SIGMA=	5.5	PHAS=	67.9	FOM=	0.38
INDE	-1	5	14	FOBS=	102.3	SIGMA=	7.4	PHAS=	204.2	FOM=	0.20
INDE	-1	5	15	FOBS=	176.1	SIGMA=	4.5	PHAS=	131.5	FOM=	0.32
INDE	-1	5	16	FOBS=	153.1	SIGMA=	5.0	PHAS=	268.5	FOM=	0.12
INDE	-1	6	1	FOBS=	273.9	SIGMA=	0.9	PHAS=	129.9	FOM=	0.92
INDE	-1	6	2	FOBS=	414.0	SIGMA=	0.9	PHAS=	3.5	FOM=	0.83
INDE	-1	6	3	FOBS=	224.0	SIGMA=	1.2	PHAS=	9.3	FOM=	0.98
INDE	-1	6	4	FOBS=	213.5	SIGMA=	1.3	PHAS=	8.3	FOM=	0.95
INDE	-1	6	5	FOBS=	171.2	SIGMA=	1.9	PHAS=	16.3	FOM=	0.70
INDE	-1	6	6	FOBS=	100.6	SIGMA=	3.9	PHAS=	68.7	FOM=	0.59
INDE	-1	6	7	FOBS=	123.2	SIGMA=	3.6	PHAS=	281.0	FOM=	0.04
INDE	-1	6	8	FOBS=	142.8	SIGMA=	3.5	PHAS=	249.3	FOM=	0.64
INDE	-1	6	9	FOBS=	153.3	SIGMA=	3.4	PHAS=	189.3	FOM=	0.05
INDE	-1	6	10	FOBS=	112.0	SIGMA=	5.4	PHAS=	236.9	FOM=	0.10
INDE	-1	6	11	FOBS=	167.6	SIGMA=	4.6	PHAS=	27.1	FOM=	0.05
INDE	-1	6	12	FOBS=	123.5	SIGMA=	6.7	PHAS=	5.0	FOM=	0.03
INDE	-1	6	13	FOBS=	164.6	SIGMA=	4.8	PHAS=	237.1	FOM=	0.43
INDE	-1	6	14	FOBS=	82.4	SIGMA=	9.8	PHAS=	343.4	FOM=	0.15
INDE	-1	6	15	FOBS=	88.3	SIGMA=	8.5	PHAS=	27.4	FOM=	0.04
INDE	-1	6	16	FOBS=	61.4	SIGMA=	15.8	PHAS=	163.6	FOM=	0.06
INDE	-1	7	1	FOBS=	86.4	SIGMA=	2.7	PHAS=	210.1	FOM=	0.90
INDE	-1	7	2	FOBS=	90.6	SIGMA=	2.2	PHAS=	46.6	FOM=	0.94
INDE	-1	7	3	FOBS=	272.8	SIGMA=	1.0	PHAS=	154.2	FOM=	0.91
INDE	-1	7	4	FOBS=	402.2	SIGMA=	1.0	PHAS=	343.7	FOM=	0.98
INDE	-1	7	5	FOBS=	225.2	SIGMA=	1.5	PHAS=	90.9	FOM=	0.98
INDE	-1	7	6	FOBS=	129.3	SIGMA=	2.8	PHAS=	159.1	FOM=	0.84
INDE	-1	7	7	FOBS=	132.0	SIGMA=	3.4	PHAS=	323.7	FOM=	0.65
INDE	-1	7	8	FOBS=	329.2	SIGMA=	1.6	PHAS=	59.7	FOM=	0.77
INDE	-1	7	9	FOBS=	309.0	SIGMA=	1.8	PHAS=	160.7	FOM=	0.89
INDE	-1	7	10	FOBS=	173.7	SIGMA=	3.3	PHAS=	340.3	FOM=	0.76
INDE	-1	7	11	FOBS=	219.8	SIGMA=	3.0	PHAS=	257.3	FOM=	0.62
INDE	-1	7	12	FOBS=	155.9	SIGMA=	5.8	PHAS=	136.0	FOM=	0.38
INDE	-1	7	13	FOBS=	71.4	SIGMA=	11.0	PHAS=	285.5	FOM=	0.08
INDE	-1	7	14	FOBS=	109.9	SIGMA=	6.9	PHAS=	326.0	FOM=	0.10
INDE	-1	7	15	FOBS=	188.3	SIGMA=	4.1	PHAS=	175.1	FOM=	0.55
INDE	-1	7	16	FOBS=	146.6	SIGMA=	5.2	PHAS=	324.0	FOM=	0.04
INDE	-1	8	1	FOBS=	178.5	SIGMA=	2.0	PHAS=	303.1	FOM=	0.09
INDE	-1	8	2	FOBS=	183.9	SIGMA=	1.4	PHAS=	153.0	FOM=	0.93
INDE	-1	8	3	FOBS=	308.3	SIGMA=	1.0	PHAS=	55.3	FOM=	0.85
INDE	-1	8	4	FOBS=	230.8	SIGMA=	1.4	PHAS=	110.9	FOM=	0.94
INDE	-1	8	5	FOBS=	33.8	SIGMA=	13.3	PHAS=	190.4	FOM=	0.32
INDE	-1	8	6	FOBS=	89.8	SIGMA=	4.5	PHAS=	357.0	FOM=	0.84
INDE	-1	8	7	FOBS=	147.6	SIGMA=	3.2	PHAS=	160.3	FOM=	0.54
INDE	-1	8	8	FOBS=	170.0	SIGMA=	2.8	PHAS=	59.0	FOM=	0.76
INDE	-1	8	9	FOBS=	161.9	SIGMA=	3.2	PHAS=	172.1	FOM=	0.76
INDE	-1	8	10	FOBS=	273.4	SIGMA=	2.2	PHAS=	269.7	FOM=	0.24
INDE	-1	8	11	FOBS=	198.1	SIGMA=	3.3	PHAS=	358.3	FOM=	0.55
INDE	-1	8	12	FOBS=	73.0	SIGMA=	10.6	PHAS=	289.3	FOM=	0.13
INDE	-1	8	13	FOBS=	340.1	SIGMA=	2.6	PHAS=	151.1	FOM=	0.62
INDE	-1	8	14	FOBS=	164.0	SIGMA=	4.9	PHAS=	33.8	FOM=	0.47
INDE	-1	8	15	FOBS=	129.7	SIGMA=	5.8	PHAS=	215.2	FOM=	0.12
INDE	-1	8	16	FOBS=	52.6	SIGMA=	15.2	PHAS=	256.9	FOM=	0.05
INDE	-1	9	1	FOBS=	199.1	SIGMA=	1.5	PHAS=	209.5	FOM=	0.94
INDE	-1	9	2	FOBS=	238.9	SIGMA=	1.2	PHAS=	333.5	FOM=	0.99
INDE	-1	9	3	FOBS=	200.5	SIGMA=	1.4	PHAS=	159.2	FOM=	0.74
INDE	-1	9	4	FOBS=	162.3	SIGMA=	1.9	PHAS=	187.6	FOM=	0.89
INDE	-1	9	5	FOBS=	125.3	SIGMA=	3.4	PHAS=	261.5	FOM=	0.97
INDE	-1	9	6	FOBS=	62.6	SIGMA=	5.4	PHAS=	249.5	FOM=	0.45
INDE	-1	9	7	FOBS=	125.4	SIGMA=	3.6	PHAS=	60.6	FOM=	0.85
INDE	-1	9	8	FOBS=	696.0	SIGMA=	1.3	PHAS=	259.7	FOM=	0.95
INDE	-1	9	9	FOBS=	99.1	SIGMA=	5.6	PHAS=	56.1	FOM=	0.49
INDE	-1	9	10	FOBS=	188.4	SIGMA=	3.1	PHAS=	70.8	FOM=	0.06
INDE	-1	9	11	FOBS=	84.1	SIGMA=	8.2	PHAS=	327.3	FOM=	0.26
INDE	-1	9	12	FOBS=	213.4	SIGMA=	3.4	PHAS=	188.9	FOM=	0.51
INDE	-1	9	13	FOBS=	68.1	SIGMA=	12.9	PHAS=	9.3	FOM=	0.07
INDE	-1	9	14	FOBS=	84.6	SIGMA=	10.3	PHAS=	120.0	FOM=	0.12
INDE	-1	9	15	FOBS=	151.9	SIGMA=	5.1	PHAS=	294.8	FOM=	0.35

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INDE	-1	9	16	FOBS=	67.1	SIGMA=	11.8	PHAS=	214.7	FOM=	0.00
INDE	-1	10	1	FOBS=	109.7	SIGMA=	2.2	PHAS=	276.0	FOM=	0.50
INDE	-1	10	2	FOBS=	288.1	SIGMA=	1.2	PHAS=	244.9	FOM=	0.96
INDE	-1	10	3	FOBS=	302.0	SIGMA=	1.1	PHAS=	224.2	FOM=	0.88
INDE	-1	10	4	FOBS=	120.9	SIGMA=	2.5	PHAS=	184.1	FOM=	0.71
INDE	-1	10	5	FOBS=	96.9	SIGMA=	3.4	PHAS=	344.2	FOM=	0.90
INDE	-1	10	6	FOBS=	74.6	SIGMA=	5.6	PHAS=	42.1	FOM=	0.80
INDE	-1	10	7	FOBS=	293.4	SIGMA=	1.6	PHAS=	191.1	FOM=	0.92
INDE	-1	10	8	FOBS=	221.6	SIGMA=	2.2	PHAS=	357.2	FOM=	0.95
INDE	-1	10	9	FOBS=	506.2	SIGMA=	1.5	PHAS=	104.4	FOM=	0.99
INDE	-1	10	10	FOBS=	119.9	SIGMA=	5.6	PHAS=	233.7	FOM=	0.13
INDE	-1	10	11	FOBS=	200.3	SIGMA=	3.4	PHAS=	263.7	FOM=	0.66
INDE	-1	10	12	FOBS=	62.8	SIGMA=	11.7	PHAS=	121.7	FOM=	0.16
INDE	-1	10	13	FOBS=	94.2	SIGMA=	7.8	PHAS=	193.6	FOM=	0.02
INDE	-1	10	14	FOBS=	160.5	SIGMA=	5.5	PHAS=	38.4	FOM=	0.34
INDE	-1	10	15	FOBS=	104.9	SIGMA=	8.1	PHAS=	322.7	FOM=	0.19
INDE	-1	10	16	FOBS=	68.6	SIGMA=	11.4	PHAS=	89.9	FOM=	0.01
INDE	-1	11	1	FOBS=	259.6	SIGMA=	1.2	PHAS=	206.5	FOM=	1.00
INDE	-1	11	2	FOBS=	339.8	SIGMA=	1.0	PHAS=	221.9	FOM=	1.00
INDE	-1	11	3	FOBS=	317.4	SIGMA=	1.1	PHAS=	312.8	FOM=	0.99
INDE	-1	11	4	FOBS=	301.0	SIGMA=	1.3	PHAS=	148.2	FOM=	0.98
INDE	-1	11	5	FOBS=	247.3	SIGMA=	1.5	PHAS=	260.3	FOM=	0.99
INDE	-1	11	6	FOBS=	136.6	SIGMA=	3.3	PHAS=	42.0	FOM=	0.89
INDE	-1	11	7	FOBS=	161.8	SIGMA=	2.5	PHAS=	346.3	FOM=	0.89
INDE	-1	11	8	FOBS=	202.0	SIGMA=	2.4	PHAS=	73.1	FOM=	0.87
INDE	-1	11	9	FOBS=	386.6	SIGMA=	1.6	PHAS=	2.0	FOM=	0.76
INDE	-1	11	10	FOBS=	289.2	SIGMA=	2.2	PHAS=	81.6	FOM=	0.93
INDE	-1	11	11	FOBS=	190.9	SIGMA=	4.2	PHAS=	336.9	FOM=	0.18
INDE	-1	11	12	FOBS=	337.9	SIGMA=	2.4	PHAS=	115.5	FOM=	0.97
INDE	-1	11	13	FOBS=	135.8	SIGMA=	5.6	PHAS=	34.9	FOM=	0.78
INDE	-1	11	14	FOBS=	130.8	SIGMA=	5.8	PHAS=	270.4	FOM=	0.43
INDE	-1	11	15	FOBS=	44.8	SIGMA=	21.1	PHAS=	113.7	FOM=	0.09
INDE	-1	11	16	FOBS=	122.3	SIGMA=	9.3	PHAS=	18.4	FOM=	0.12
INDE	-1	12	1	FOBS=	130.1	SIGMA=	2.1	PHAS=	2.7	FOM=	0.97
INDE	-1	12	2	FOBS=	98.7	SIGMA=	3.0	PHAS=	334.1	FOM=	0.96
INDE	-1	12	3	FOBS=	194.7	SIGMA=	1.6	PHAS=	267.8	FOM=	0.62
INDE	-1	12	4	FOBS=	232.9	SIGMA=	1.5	PHAS=	218.2	FOM=	0.99
INDE	-1	12	5	FOBS=	174.7	SIGMA=	2.1	PHAS=	165.2	FOM=	0.97
INDE	-1	12	6	FOBS=	61.9	SIGMA=	6.1	PHAS=	123.4	FOM=	0.05
INDE	-1	12	7	FOBS=	232.1	SIGMA=	1.9	PHAS=	251.2	FOM=	0.81
INDE	-1	12	8	FOBS=	201.5	SIGMA=	2.4	PHAS=	127.4	FOM=	0.76
INDE	-1	12	9	FOBS=	316.6	SIGMA=	1.8	PHAS=	162.4	FOM=	0.98
INDE	-1	12	10	FOBS=	218.7	SIGMA=	2.8	PHAS=	159.9	FOM=	0.93
INDE	-1	12	11	FOBS=	132.6	SIGMA=	5.2	PHAS=	337.6	FOM=	0.77
INDE	-1	12	12	FOBS=	211.6	SIGMA=	3.7	PHAS=	221.8	FOM=	0.20
INDE	-1	12	13	FOBS=	248.0	SIGMA=	3.2	PHAS=	214.6	FOM=	0.63
INDE	-1	12	14	FOBS=	47.0	SIGMA=	20.0	PHAS=	120.4	FOM=	0.33
INDE	-1	12	15	FOBS=	101.1	SIGMA=	7.4	PHAS=	236.0	FOM=	0.06
INDE	-1	13	1	FOBS=	226.3	SIGMA=	1.6	PHAS=	118.3	FOM=	0.96
INDE	-1	13	2	FOBS=	337.0	SIGMA=	1.5	PHAS=	245.3	FOM=	1.00
INDE	-1	13	3	FOBS=	122.5	SIGMA=	2.8	PHAS=	272.4	FOM=	0.95
INDE	-1	13	4	FOBS=	97.6	SIGMA=	3.5	PHAS=	274.9	FOM=	0.89
INDE	-1	13	5	FOBS=	188.7	SIGMA=	2.0	PHAS=	312.1	FOM=	0.80
INDE	-1	13	6	FOBS=	140.9	SIGMA=	2.6	PHAS=	134.7	FOM=	0.90
INDE	-1	13	7	FOBS=	213.0	SIGMA=	2.4	PHAS=	223.3	FOM=	0.97
INDE	-1	13	8	FOBS=	126.7	SIGMA=	4.2	PHAS=	46.2	FOM=	0.86
INDE	-1	13	9	FOBS=	155.8	SIGMA=	3.6	PHAS=	323.5	FOM=	0.80
INDE	-1	13	10	FOBS=	270.5	SIGMA=	2.3	PHAS=	109.6	FOM=	0.96
INDE	-1	13	11	FOBS=	63.5	SIGMA=	10.5	PHAS=	340.5	FOM=	0.22
INDE	-1	13	12	FOBS=	195.0	SIGMA=	3.7	PHAS=	219.9	FOM=	0.58
INDE	-1	13	13	FOBS=	52.5	SIGMA=	14.1	PHAS=	25.1	FOM=	0.23
INDE	-1	13	14	FOBS=	59.2	SIGMA=	18.4	PHAS=	205.1	FOM=	0.05
INDE	-1	13	15	FOBS=	85.1	SIGMA=	9.8	PHAS=	230.9	FOM=	0.11
INDE	-1	14	1	FOBS=	73.9	SIGMA=	4.3	PHAS=	100.7	FOM=	0.86
INDE	-1	14	2	FOBS=	252.5	SIGMA=	1.7	PHAS=	328.6	FOM=	1.00
INDE	-1	14	3	FOBS=	158.2	SIGMA=	2.6	PHAS=	198.8	FOM=	0.89
INDE	-1	14	4	FOBS=	463.3	SIGMA=	1.2	PHAS=	316.9	FOM=	0.08
INDE	-1	14	5	FOBS=	131.8	SIGMA=	2.9	PHAS=	217.4	FOM=	0.93
INDE	-1	14	6	FOBS=	65.1	SIGMA=	6.3	PHAS=	62.8	FOM=	0.72
INDE	-1	14	7	FOBS=	412.2	SIGMA=	1.3	PHAS=	302.6	FOM=	0.97
INDE	-1	14	8	FOBS=	445.6	SIGMA=	1.3	PHAS=	28.8	FOM=	0.89

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INDE	-1	14	9	FOBS=	215.4	SIGMA=	2.4	PHAS=	223.1	FOM=	0.87
INDE	-1	14	10	FOBS=	211.7	SIGMA=	2.8	PHAS=	154.3	FOM=	0.78
INDE	-1	14	11	FOBS=	337.3	SIGMA=	2.1	PHAS=	205.3	FOM=	0.87
INDE	-1	14	12	FOBS=	132.1	SIGMA=	5.2	PHAS=	310.1	FOM=	0.07
INDE	-1	14	13	FOBS=	183.7	SIGMA=	3.7	PHAS=	10.3	FOM=	0.24
INDE	-1	14	14	FOBS=	129.1	SIGMA=	5.5	PHAS=	163.2	FOM=	0.78
INDE	-1	15	1	FOBS=	121.9	SIGMA=	2.6	PHAS=	238.7	FOM=	0.44
INDE	-1	15	2	FOBS=	165.5	SIGMA=	2.4	PHAS=	241.7	FOM=	0.84
INDE	-1	15	3	FOBS=	73.6	SIGMA=	4.5	PHAS=	319.6	FOM=	0.65
INDE	-1	15	4	FOBS=	138.5	SIGMA=	2.4	PHAS=	59.4	FOM=	0.77
INDE	-1	15	5	FOBS=	514.5	SIGMA=	1.1	PHAS=	134.5	FOM=	0.98
INDE	-1	15	6	FOBS=	300.1	SIGMA=	1.6	PHAS=	249.5	FOM=	0.93
INDE	-1	15	7	FOBS=	172.7	SIGMA=	2.6	PHAS=	20.4	FOM=	0.92
INDE	-1	15	8	FOBS=	104.3	SIGMA=	5.4	PHAS=	117.2	FOM=	0.86
INDE	-1	15	9	FOBS=	82.2	SIGMA=	6.6	PHAS=	276.9	FOM=	0.15
INDE	-1	15	10	FOBS=	207.1	SIGMA=	3.0	PHAS=	248.5	FOM=	0.89
INDE	-1	15	11	FOBS=	211.0	SIGMA=	3.0	PHAS=	287.1	FOM=	0.93
INDE	-1	15	12	FOBS=	72.3	SIGMA=	9.3	PHAS=	196.6	FOM=	0.18
INDE	-1	15	13	FOBS=	112.5	SIGMA=	5.9	PHAS=	265.4	FOM=	0.12
INDE	-1	15	14	FOBS=	82.8	SIGMA=	8.4	PHAS=	64.3	FOM=	0.06
INDE	-1	15	15	FOBS=	107.2	SIGMA=	6.4	PHAS=	211.4	FOM=	0.01
INDE	-1	16	1	FOBS=	160.0	SIGMA=	2.1	PHAS=	279.4	FOM=	0.88
INDE	-1	16	2	FOBS=	216.4	SIGMA=	1.7	PHAS=	19.8	FOM=	0.93
INDE	-1	16	3	FOBS=	209.3	SIGMA=	2.1	PHAS=	149.1	FOM=	0.99
INDE	-1	16	4	FOBS=	221.7	SIGMA=	1.9	PHAS=	3.6	FOM=	0.98
INDE	-1	16	5	FOBS=	126.8	SIGMA=	3.2	PHAS=	225.6	FOM=	0.25
INDE	-1	16	6	FOBS=	161.3	SIGMA=	2.5	PHAS=	55.4	FOM=	0.35
INDE	-1	16	7	FOBS=	504.7	SIGMA=	1.2	PHAS=	59.0	FOM=	1.00
INDE	-1	16	8	FOBS=	221.1	SIGMA=	2.3	PHAS=	289.4	FOM=	0.76
INDE	-1	16	9	FOBS=	222.6	SIGMA=	2.5	PHAS=	65.7	FOM=	0.65
INDE	-1	16	10	FOBS=	193.6	SIGMA=	3.1	PHAS=	264.2	FOM=	0.29
INDE	-1	16	11	FOBS=	133.7	SIGMA=	4.8	PHAS=	70.8	FOM=	0.37
INDE	-1	16	12	FOBS=	158.1	SIGMA=	4.2	PHAS=	249.4	FOM=	0.02
INDE	-1	16	13	FOBS=	165.7	SIGMA=	4.1	PHAS=	255.3	FOM=	0.22
INDE	-1	16	14	FOBS=	131.7	SIGMA=	5.0	PHAS=	46.2	FOM=	0.21
INDE	-1	17	1	FOBS=	250.7	SIGMA=	1.5	PHAS=	225.0	FOM=	0.60
INDE	-1	17	2	FOBS=	122.5	SIGMA=	2.8	PHAS=	147.6	FOM=	0.87
INDE	-1	17	3	FOBS=	119.3	SIGMA=	3.3	PHAS=	142.1	FOM=	0.97
INDE	-1	17	4	FOBS=	384.9	SIGMA=	1.5	PHAS=	340.3	FOM=	0.97
INDE	-1	17	5	FOBS=	344.9	SIGMA=	1.5	PHAS=	189.9	FOM=	0.79
INDE	-1	17	6	FOBS=	98.9	SIGMA=	4.4	PHAS=	30.6	FOM=	0.74
INDE	-1	17	7	FOBS=	296.2	SIGMA=	1.8	PHAS=	121.4	FOM=	0.82
INDE	-1	17	8	FOBS=	102.9	SIGMA=	5.1	PHAS=	195.6	FOM=	0.28
INDE	-1	17	9	FOBS=	178.0	SIGMA=	3.8	PHAS=	116.2	FOM=	0.07
INDE	-1	17	10	FOBS=	103.7	SIGMA=	5.7	PHAS=	114.4	FOM=	0.11
INDE	-1	17	11	FOBS=	57.4	SIGMA=	10.6	PHAS=	19.0	FOM=	0.06
INDE	-1	17	12	FOBS=	82.2	SIGMA=	8.2	PHAS=	244.3	FOM=	0.40
INDE	-1	17	13	FOBS=	127.2	SIGMA=	5.0	PHAS=	132.5	FOM=	0.24
INDE	-1	17	14	FOBS=	153.5	SIGMA=	4.3	PHAS=	129.6	FOM=	0.55
INDE	-1	18	1	FOBS=	504.9	SIGMA=	1.3	PHAS=	152.1	FOM=	0.99
INDE	-1	18	2	FOBS=	350.4	SIGMA=	1.2	PHAS=	195.6	FOM=	0.98
INDE	-1	18	3	FOBS=	170.2	SIGMA=	2.3	PHAS=	305.6	FOM=	0.57
INDE	-1	18	4	FOBS=	445.3	SIGMA=	1.7	PHAS=	1.2	FOM=	0.85
INDE	-1	18	5	FOBS=	167.8	SIGMA=	2.8	PHAS=	76.7	FOM=	0.30
INDE	-1	18	6	FOBS=	311.9	SIGMA=	1.7	PHAS=	285.7	FOM=	0.73
INDE	-1	18	7	FOBS=	432.7	SIGMA=	1.4	PHAS=	303.3	FOM=	0.91
INDE	-1	18	8	FOBS=	115.8	SIGMA=	4.5	PHAS=	335.9	FOM=	0.78
INDE	-1	18	9	FOBS=	94.2	SIGMA=	6.6	PHAS=	115.1	FOM=	0.69
INDE	-1	18	10	FOBS=	306.9	SIGMA=	2.1	PHAS=	232.9	FOM=	0.49
INDE	-1	18	11	FOBS=	98.5	SIGMA=	6.1	PHAS=	323.5	FOM=	0.26
INDE	-1	18	12	FOBS=	48.3	SIGMA=	24.2	PHAS=	110.6	FOM=	0.24
INDE	-1	18	13	FOBS=	82.9	SIGMA=	7.4	PHAS=	242.9	FOM=	0.19
INDE	-1	18	14	FOBS=	83.9	SIGMA=	7.5	PHAS=	266.4	FOM=	0.06
INDE	-1	19	1	FOBS=	263.1	SIGMA=	1.5	PHAS=	228.0	FOM=	0.96
INDE	-1	19	2	FOBS=	322.8	SIGMA=	1.3	PHAS=	330.0	FOM=	1.00
INDE	-1	19	3	FOBS=	164.2	SIGMA=	2.3	PHAS=	0.1	FOM=	0.13
INDE	-1	19	4	FOBS=	256.5	SIGMA=	1.7	PHAS=	152.4	FOM=	0.98
INDE	-1	19	5	FOBS=	304.3	SIGMA=	1.8	PHAS=	45.2	FOM=	0.99
INDE	-1	19	6	FOBS=	184.6	SIGMA=	2.7	PHAS=	168.7	FOM=	0.46
INDE	-1	19	7	FOBS=	119.2	SIGMA=	4.7	PHAS=	192.2	FOM=	0.35
INDE	-1	19	8	FOBS=	341.3	SIGMA=	1.8	PHAS=	152.1	FOM=	0.44

Fig. 10A-77

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INDE	-1	19	9	FOBS=	139.9	SIGMA=	4.1	PHAS=	92.5	FOM=	0.13
INDE	-1	19	10	FOBS=	239.3	SIGMA=	2.5	PHAS=	340.9	FOM=	0.82
INDE	-1	19	11	FOBS=	56.1	SIGMA=	12.2	PHAS=	188.5	FOM=	0.03
INDE	-1	19	12	FOBS=	34.5	SIGMA=	15.3	PHAS=	69.0	FOM=	0.17
INDE	-1	19	13	FOBS=	73.9	SIGMA=	8.3	PHAS=	259.7	FOM=	0.12
INDE	-1	19	14	FOBS=	104.4	SIGMA=	22.9	PHAS=	146.3	FOM=	0.02
INDE	-1	20	1	FOBS=	169.9	SIGMA=	2.2	PHAS=	194.8	FOM=	0.97
INDE	-1	20	2	FOBS=	441.2	SIGMA=	1.1	PHAS=	236.8	FOM=	0.86
INDE	-1	20	3	FOBS=	132.4	SIGMA=	3.0	PHAS=	138.4	FOM=	0.84
INDE	-1	20	4	FOBS=	105.0	SIGMA=	3.9	PHAS=	101.2	FOM=	0.68
INDE	-1	20	5	FOBS=	138.5	SIGMA=	3.4	PHAS=	85.5	FOM=	0.45
INDE	-1	20	6	FOBS=	341.3	SIGMA=	1.8	PHAS=	83.1	FOM=	0.86
INDE	-1	20	7	FOBS=	153.4	SIGMA=	3.7	PHAS=	28.5	FOM=	0.19
INDE	-1	20	8	FOBS=	296.6	SIGMA=	2.0	PHAS=	285.6	FOM=	0.89
INDE	-1	20	9	FOBS=	144.9	SIGMA=	4.1	PHAS=	154.1	FOM=	0.43
INDE	-1	20	10	FOBS=	146.2	SIGMA=	4.5	PHAS=	227.9	FOM=	0.59
INDE	-1	20	11	FOBS=	174.6	SIGMA=	3.6	PHAS=	314.1	FOM=	0.53
INDE	-1	20	12	FOBS=	98.2	SIGMA=	6.2	PHAS=	183.6	FOM=	0.56
INDE	-1	20	13	FOBS=	101.9	SIGMA=	5.8	PHAS=	18.4	FOM=	0.46
INDE	-1	21	1	FOBS=	276.8	SIGMA=	1.6	PHAS=	201.1	FOM=	0.96
INDE	-1	21	2	FOBS=	313.3	SIGMA=	1.4	PHAS=	159.0	FOM=	0.91
INDE	-1	21	3	FOBS=	74.3	SIGMA=	5.2	PHAS=	88.3	FOM=	0.77
INDE	-1	21	4	FOBS=	442.8	SIGMA=	1.2	PHAS=	195.7	FOM=	1.00
INDE	-1	21	5	FOBS=	149.2	SIGMA=	3.5	PHAS=	155.4	FOM=	0.62
INDE	-1	21	6	FOBS=	259.2	SIGMA=	2.2	PHAS=	269.2	FOM=	0.96
INDE	-1	21	7	FOBS=	157.3	SIGMA=	3.8	PHAS=	4.0	FOM=	0.26
INDE	-1	21	8	FOBS=	151.3	SIGMA=	4.2	PHAS=	133.6	FOM=	0.39
INDE	-1	21	9	FOBS=	183.9	SIGMA=	3.0	PHAS=	131.2	FOM=	0.60
INDE	-1	21	10	FOBS=	214.7	SIGMA=	2.9	PHAS=	291.3	FOM=	0.22
INDE	-1	21	11	FOBS=	120.3	SIGMA=	4.9	PHAS=	315.5	FOM=	0.07
INDE	-1	21	12	FOBS=	191.2	SIGMA=	3.1	PHAS=	168.3	FOM=	0.78
INDE	-1	21	13	FOBS=	37.7	SIGMA=	16.4	PHAS=	5.8	FOM=	0.10
INDE	-1	22	1	FOBS=	115.6	SIGMA=	3.7	PHAS=	245.9	FOM=	0.94
INDE	-1	22	2	FOBS=	314.8	SIGMA=	1.5	PHAS=	349.4	FOM=	0.98
INDE	-1	22	3	FOBS=	128.7	SIGMA=	3.5	PHAS=	99.8	FOM=	0.95
INDE	-1	22	4	FOBS=	257.3	SIGMA=	1.8	PHAS=	100.3	FOM=	0.95
INDE	-1	22	5	FOBS=	85.0	SIGMA=	5.9	PHAS=	107.0	FOM=	0.31
INDE	-1	22	6	FOBS=	215.6	SIGMA=	2.5	PHAS=	133.1	FOM=	0.94
INDE	-1	22	7	FOBS=	58.6	SIGMA=	9.1	PHAS=	257.1	FOM=	0.19
INDE	-1	22	8	FOBS=	162.8	SIGMA=	3.6	PHAS=	164.6	FOM=	0.61
INDE	-1	22	9	FOBS=	315.6	SIGMA=	2.1	PHAS=	2.4	FOM=	0.68
INDE	-1	22	10	FOBS=	276.5	SIGMA=	2.1	PHAS=	132.3	FOM=	0.63
INDE	-1	22	11	FOBS=	51.5	SIGMA=	12.1	PHAS=	160.9	FOM=	0.35
INDE	-1	22	12	FOBS=	148.0	SIGMA=	4.1	PHAS=	269.3	FOM=	0.06
INDE	-1	23	1	FOBS=	368.3	SIGMA=	1.9	PHAS=	44.8	FOM=	0.97
INDE	-1	23	2	FOBS=	307.7	SIGMA=	1.5	PHAS=	148.1	FOM=	0.96
INDE	-1	23	3	FOBS=	139.9	SIGMA=	3.2	PHAS=	53.6	FOM=	0.94
INDE	-1	23	4	FOBS=	47.5	SIGMA=	8.9	PHAS=	288.9	FOM=	0.18
INDE	-1	23	5	FOBS=	169.6	SIGMA=	2.7	PHAS=	270.8	FOM=	0.95
INDE	-1	23	6	FOBS=	69.9	SIGMA=	6.6	PHAS=	217.7	FOM=	0.14
INDE	-1	23	7	FOBS=	405.8	SIGMA=	1.5	PHAS=	148.0	FOM=	0.94
INDE	-1	23	8	FOBS=	177.4	SIGMA=	3.0	PHAS=	100.9	FOM=	0.88
INDE	-1	23	9	FOBS=	51.9	SIGMA=	14.0	PHAS=	286.7	FOM=	0.29
INDE	-1	23	10	FOBS=	233.6	SIGMA=	2.7	PHAS=	226.2	FOM=	0.94
INDE	-1	23	11	FOBS=	172.2	SIGMA=	3.8	PHAS=	319.7	FOM=	0.77
INDE	-1	23	12	FOBS=	141.0	SIGMA=	4.3	PHAS=	337.3	FOM=	0.59
INDE	-1	24	1	FOBS=	273.8	SIGMA=	2.4	PHAS=	210.6	FOM=	0.47
INDE	-1	24	2	FOBS=	335.3	SIGMA=	1.5	PHAS=	341.9	FOM=	1.00
INDE	-1	24	3	FOBS=	134.4	SIGMA=	3.5	PHAS=	93.8	FOM=	0.95
INDE	-1	24	4	FOBS=	212.1	SIGMA=	2.3	PHAS=	340.8	FOM=	0.97
INDE	-1	24	5	FOBS=	184.0	SIGMA=	2.6	PHAS=	286.9	FOM=	0.63
INDE	-1	24	6	FOBS=	267.8	SIGMA=	2.3	PHAS=	208.9	FOM=	1.00
INDE	-1	24	7	FOBS=	162.0	SIGMA=	2.9	PHAS=	111.1	FOM=	0.93
INDE	-1	24	8	FOBS=	118.0	SIGMA=	4.4	PHAS=	140.0	FOM=	0.14
INDE	-1	24	9	FOBS=	121.0	SIGMA=	4.5	PHAS=	171.3	FOM=	0.80
INDE	-1	24	10	FOBS=	93.4	SIGMA=	6.5	PHAS=	55.1	FOM=	0.63
INDE	-1	24	11	FOBS=	157.7	SIGMA=	4.2	PHAS=	309.3	FOM=	0.06
INDE	-1	25	1	FOBS=	296.7	SIGMA=	2.3	PHAS=	24.4	FOM=	0.61
INDE	-1	25	2	FOBS=	355.4	SIGMA=	1.4	PHAS=	7.7	FOM=	0.97
INDE	-1	25	3	FOBS=	99.6	SIGMA=	4.5	PHAS=	22.5	FOM=	0.89
INDE	-1	25	4	FOBS=	202.8	SIGMA=	2.4	PHAS=	342.7	FOM=	0.96

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INDE	-1	25	5	FOBS=	386.6	SIGMA=	1.5	PHAS=	288.1	FOM=	0.94
INDE	-1	25	6	FOBS=	222.0	SIGMA=	2.5	PHAS=	160.9	FOM=	0.90
INDE	-1	25	7	FOBS=	68.7	SIGMA=	6.0	PHAS=	151.1	FOM=	0.77
INDE	-1	25	8	FOBS=	85.3	SIGMA=	5.8	PHAS=	199.7	FOM=	0.71
INDE	-1	25	9	FOBS=	160.3	SIGMA=	3.3	PHAS=	290.6	FOM=	0.26
INDE	-1	25	10	FOBS=	78.1	SIGMA=	6.5	PHAS=	58.2	FOM=	0.19
INDE	-1	25	11	FOBS=	49.4	SIGMA=	12.5	PHAS=	117.5	FOM=	0.10
INDE	-1	26	1	FOBS=	258.0	SIGMA=	2.6	PHAS=	232.7	FOM=	0.96
INDE	-1	26	2	FOBS=	254.0	SIGMA=	1.8	PHAS=	292.2	FOM=	0.98
INDE	-1	26	3	FOBS=	161.3	SIGMA=	2.7	PHAS=	20.8	FOM=	0.81
INDE	-1	26	4	FOBS=	159.6	SIGMA=	2.9	PHAS=	66.0	FOM=	0.73
INDE	-1	26	5	FOBS=	238.6	SIGMA=	2.0	PHAS=	3.6	FOM=	0.81
INDE	-1	26	6	FOBS=	141.0	SIGMA=	3.4	PHAS=	299.0	FOM=	0.12
INDE	-1	26	7	FOBS=	176.6	SIGMA=	2.9	PHAS=	306.6	FOM=	0.86
INDE	-1	26	8	FOBS=	49.4	SIGMA=	10.9	PHAS=	223.0	FOM=	0.13
INDE	-1	26	9	FOBS=	73.0	SIGMA=	6.8	PHAS=	295.6	FOM=	0.10
INDE	-1	26	10	FOBS=	164.8	SIGMA=	3.2	PHAS=	91.8	FOM=	0.89
INDE	-1	27	1	FOBS=	51.2	SIGMA=	12.0	PHAS=	270.5	FOM=	0.17
INDE	-1	27	2	FOBS=	139.9	SIGMA=	3.1	PHAS=	114.4	FOM=	0.94
INDE	-1	27	3	FOBS=	128.8	SIGMA=	3.5	PHAS=	79.4	FOM=	0.86
INDE	-1	27	4	FOBS=	348.9	SIGMA=	1.6	PHAS=	175.5	FOM=	0.72
INDE	-1	27	5	FOBS=	204.9	SIGMA=	2.3	PHAS=	280.0	FOM=	0.87
INDE	-1	27	6	FOBS=	231.8	SIGMA=	2.1	PHAS=	163.1	FOM=	0.96
INDE	-1	27	7	FOBS=	114.3	SIGMA=	4.9	PHAS=	358.7	FOM=	0.77
INDE	-1	27	8	FOBS=	195.4	SIGMA=	2.5	PHAS=	169.8	FOM=	0.95
INDE	-1	27	9	FOBS=	141.1	SIGMA=	3.6	PHAS=	8.8	FOM=	0.28
INDE	-1	27	10	FOBS=	132.0	SIGMA=	5.6	PHAS=	115.0	FOM=	0.00
INDE	-1	28	1	FOBS=	93.1	SIGMA=	6.5	PHAS=	340.2	FOM=	0.15
INDE	-1	28	2	FOBS=	163.3	SIGMA=	2.5	PHAS=	259.4	FOM=	0.87
INDE	-1	28	3	FOBS=	42.1	SIGMA=	23.0	PHAS=	288.0	FOM=	0.22
INDE	-1	28	4	FOBS=	111.5	SIGMA=	4.1	PHAS=	320.7	FOM=	0.14
INDE	-1	28	5	FOBS=	168.7	SIGMA=	2.6	PHAS=	261.8	FOM=	0.83
INDE	-1	28	6	FOBS=	277.7	SIGMA=	1.8	PHAS=	284.6	FOM=	0.89
INDE	-1	28	7	FOBS=	177.2	SIGMA=	3.0	PHAS=	156.2	FOM=	0.25
INDE	-1	28	8	FOBS=	244.9	SIGMA=	2.0	PHAS=	4.8	FOM=	0.74
INDE	-1	28	9	FOBS=	70.4	SIGMA=	6.7	PHAS=	196.4	FOM=	0.02
INDE	-1	29	1	FOBS=	192.8	SIGMA=	2.7	PHAS=	342.2	FOM=	0.20
INDE	-1	29	2	FOBS=	233.8	SIGMA=	1.9	PHAS=	338.1	FOM=	0.91
INDE	-1	29	3	FOBS=	371.4	SIGMA=	1.4	PHAS=	288.6	FOM=	0.99
INDE	-1	29	4	FOBS=	202.4	SIGMA=	2.3	PHAS=	137.1	FOM=	0.21
INDE	-1	29	5	FOBS=	45.0	SIGMA=	13.0	PHAS=	97.4	FOM=	0.20
INDE	-1	29	6	FOBS=	154.5	SIGMA=	3.1	PHAS=	314.9	FOM=	0.81
INDE	-1	29	7	FOBS=	93.0	SIGMA=	4.9	PHAS=	280.7	FOM=	0.49
INDE	-1	29	8	FOBS=	125.4	SIGMA=	4.3	PHAS=	252.6	FOM=	0.82
INDE	-1	30	1	FOBS=	112.6	SIGMA=	4.2	PHAS=	78.3	FOM=	0.55
INDE	-1	30	2	FOBS=	202.4	SIGMA=	2.1	PHAS=	324.8	FOM=	0.49
INDE	-1	30	3	FOBS=	129.4	SIGMA=	3.4	PHAS=	324.5	FOM=	0.46
INDE	-1	30	4	FOBS=	114.4	SIGMA=	4.0	PHAS=	145.0	FOM=	0.83
INDE	-1	30	5	FOBS=	47.8	SIGMA=	8.6	PHAS=	40.3	FOM=	0.11
INDE	-1	30	6	FOBS=	148.4	SIGMA=	3.1	PHAS=	27.4	FOM=	0.90
INDE	-1	30	7	FOBS=	205.1	SIGMA=	2.3	PHAS=	177.3	FOM=	0.95
INDE	-1	31	1	FOBS=	217.4	SIGMA=	2.1	PHAS=	326.3	FOM=	0.96
INDE	-1	31	2	FOBS=	108.6	SIGMA=	4.2	PHAS=	271.2	FOM=	0.77
INDE	-1	31	3	FOBS=	116.7	SIGMA=	3.6	PHAS=	217.0	FOM=	0.22
INDE	-1	31	4	FOBS=	152.8	SIGMA=	2.9	PHAS=	275.1	FOM=	0.65
INDE	-1	31	5	FOBS=	70.5	SIGMA=	6.0	PHAS=	264.7	FOM=	0.32
INDE	-1	31	6	FOBS=	117.3	SIGMA=	3.7	PHAS=	218.0	FOM=	0.10
INDE	-1	32	1	FOBS=	141.0	SIGMA=	3.1	PHAS=	15.2	FOM=	0.83
INDE	-1	32	2	FOBS=	106.5	SIGMA=	4.2	PHAS=	299.0	FOM=	0.12
INDE	-1	32	3	FOBS=	165.9	SIGMA=	2.4	PHAS=	358.2	FOM=	0.70
INDE	-1	32	4	FOBS=	68.5	SIGMA=	6.1	PHAS=	268.6	FOM=	0.48
INDE	-1	32	5	FOBS=	78.1	SIGMA=	14.2	PHAS=	325.3	FOM=	0.04
INDE	-1	33	1	FOBS=	93.1	SIGMA=	4.4	PHAS=	56.7	FOM=	0.26
INDE	-1	33	2	FOBS=	41.4	SIGMA=	14.7	PHAS=	183.1	FOM=	0.08
INDE	0	0	3	FOBS=	55.7	SIGMA=	6.6	PHAS=	0.0	FOM=	0.77
INDE	0	0	4	FOBS=	198.5	SIGMA=	2.0	PHAS=	0.0	FOM=	0.33
INDE	0	0	5	FOBS=	254.1	SIGMA=	2.0	PHAS=	180.0	FOM=	0.99
INDE	0	0	6	FOBS=	79.4	SIGMA=	7.0	PHAS=	0.0	FOM=	0.74
INDE	0	0	8	FOBS=	206.2	SIGMA=	4.7	PHAS=	0.0	FOM=	0.58
INDE	0	0	9	FOBS=	95.0	SIGMA=	9.7	PHAS=	180.0	FOM=	0.65
INDE	0	0	10	FOBS=	683.6	SIGMA=	2.0	PHAS=	180.0	FOM=	1.00

Fig. 10A-79

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INDE	0	0	11	FOBS=	75.0	SIGMA=	12.6	PHAS=	0.0	FOM=	0.06
INDE	0	0	12	FOBS=	339.9	SIGMA=	3.3	PHAS=	180.0	FOM=	1.00
INDE	0	0	13	FOBS=	142.9	SIGMA=	8.2	PHAS=	0.0	FOM=	0.47
INDE	0	0	14	FOBS=	53.7	SIGMA=	29.8	PHAS=	180.0	FOM=	0.06
INDE	0	0	15	FOBS=	123.2	SIGMA=	9.2	PHAS=	180.0	FOM=	0.10
INDE	0	0	16	FOBS=	45.2	SIGMA=	29.0	PHAS=	0.0	FOM=	0.04
INDE	0	1	3	FOBS=	481.1	SIGMA=	0.8	PHAS=	51.8	FOM=	1.00
INDE	0	1	4	FOBS=	127.8	SIGMA=	1.9	PHAS=	41.3	FOM=	1.00
INDE	0	1	5	FOBS=	245.0	SIGMA=	1.4	PHAS=	4.0	FOM=	0.79
INDE	0	1	6	FOBS=	254.0	SIGMA=	1.6	PHAS=	231.7	FOM=	0.97
INDE	0	1	7	FOBS=	138.3	SIGMA=	3.8	PHAS=	75.8	FOM=	0.11
INDE	0	1	8	FOBS=	192.2	SIGMA=	3.1	PHAS=	150.5	FOM=	0.68
INDE	0	1	9	FOBS=	114.2	SIGMA=	5.8	PHAS=	63.1	FOM=	0.50
INDE	0	1	10	FOBS=	187.3	SIGMA=	3.4	PHAS=	349.6	FOM=	0.25
INDE	0	1	11	FOBS=	221.7	SIGMA=	3.1	PHAS=	199.5	FOM=	0.67
INDE	0	1	12	FOBS=	228.0	SIGMA=	3.3	PHAS=	67.9	FOM=	0.07
INDE	0	1	13	FOBS=	261.4	SIGMA=	3.0	PHAS=	239.4	FOM=	0.88
INDE	0	1	14	FOBS=	88.4	SIGMA=	8.9	PHAS=	121.7	FOM=	0.26
INDE	0	1	15	FOBS=	235.2	SIGMA=	3.3	PHAS=	177.3	FOM=	0.84
INDE	0	1	16	FOBS=	88.0	SIGMA=	8.9	PHAS=	50.9	FOM=	0.04
INDE	0	2	3	FOBS=	288.0	SIGMA=	0.8	PHAS=	297.3	FOM=	0.99
INDE	0	2	4	FOBS=	335.1	SIGMA=	1.1	PHAS=	241.7	FOM=	0.98
INDE	0	2	5	FOBS=	485.4	SIGMA=	1.1	PHAS=	231.7	FOM=	1.00
INDE	0	2	6	FOBS=	262.8	SIGMA=	1.8	PHAS=	263.1	FOM=	0.68
INDE	0	2	7	FOBS=	359.8	SIGMA=	1.6	PHAS=	146.3	FOM=	0.95
INDE	0	2	8	FOBS=	247.6	SIGMA=	2.1	PHAS=	37.2	FOM=	1.00
INDE	0	2	9	FOBS=	155.0	SIGMA=	3.7	PHAS=	14.5	FOM=	0.82
INDE	0	2	10	FOBS=	105.3	SIGMA=	7.1	PHAS=	106.2	FOM=	0.64
INDE	0	2	11	FOBS=	388.6	SIGMA=	1.9	PHAS=	349.8	FOM=	0.94
INDE	0	2	12	FOBS=	170.8	SIGMA=	4.7	PHAS=	286.6	FOM=	0.32
INDE	0	2	13	FOBS=	348.1	SIGMA=	2.3	PHAS=	89.7	FOM=	0.46
INDE	0	2	14	FOBS=	177.0	SIGMA=	4.7	PHAS=	172.9	FOM=	0.43
INDE	0	2	15	FOBS=	106.8	SIGMA=	7.7	PHAS=	280.4	FOM=	0.01
INDE	0	2	16	FOBS=	58.7	SIGMA=	15.9	PHAS=	50.6	FOM=	0.06
INDE	0	3	2	FOBS=	190.0	SIGMA=	1.1	PHAS=	90.2	FOM=	0.97
INDE	0	3	3	FOBS=	169.9	SIGMA=	1.3	PHAS=	222.5	FOM=	0.95
INDE	0	3	4	FOBS=	425.3	SIGMA=	1.1	PHAS=	167.5	FOM=	0.90
INDE	0	3	5	FOBS=	286.7	SIGMA=	1.3	PHAS=	61.1	FOM=	0.65
INDE	0	3	6	FOBS=	408.0	SIGMA=	1.3	PHAS=	206.8	FOM=	0.98
INDE	0	3	7	FOBS=	140.5	SIGMA=	3.6	PHAS=	19.0	FOM=	0.87
INDE	0	3	8	FOBS=	55.8	SIGMA=	10.1	PHAS=	172.5	FOM=	0.03
INDE	0	3	9	FOBS=	93.5	SIGMA=	6.2	PHAS=	81.8	FOM=	0.65
INDE	0	3	10	FOBS=	363.4	SIGMA=	2.1	PHAS=	271.8	FOM=	0.96
INDE	0	3	11	FOBS=	179.5	SIGMA=	4.5	PHAS=	67.9	FOM=	0.09
INDE	0	3	12	FOBS=	153.5	SIGMA=	5.1	PHAS=	163.6	FOM=	0.18
INDE	0	3	13	FOBS=	232.6	SIGMA=	3.4	PHAS=	13.6	FOM=	0.61
INDE	0	3	14	FOBS=	147.7	SIGMA=	5.5	PHAS=	5.6	FOM=	0.26
INDE	0	3	15	FOBS=	117.5	SIGMA=	6.7	PHAS=	255.2	FOM=	0.12
INDE	0	3	16	FOBS=	88.3	SIGMA=	8.7	PHAS=	218.4	FOM=	0.11
INDE	0	4	2	FOBS=	167.9	SIGMA=	1.0	PHAS=	82.9	FOM=	0.31
INDE	0	4	3	FOBS=	265.4	SIGMA=	1.0	PHAS=	31.3	FOM=	0.92
INDE	0	4	4	FOBS=	223.5	SIGMA=	1.4	PHAS=	103.1	FOM=	0.99
INDE	0	4	5	FOBS=	140.9	SIGMA=	2.5	PHAS=	265.9	FOM=	0.94
INDE	0	4	6	FOBS=	340.6	SIGMA=	1.3	PHAS=	338.6	FOM=	0.98
INDE	0	4	7	FOBS=	187.3	SIGMA=	2.4	PHAS=	343.4	FOM=	0.80
INDE	0	4	8	FOBS=	149.9	SIGMA=	3.7	PHAS=	206.8	FOM=	0.95
INDE	0	4	9	FOBS=	255.7	SIGMA=	2.2	PHAS=	265.9	FOM=	0.95
INDE	0	4	10	FOBS=	207.3	SIGMA=	3.1	PHAS=	119.7	FOM=	0.67
INDE	0	4	11	FOBS=	222.7	SIGMA=	3.5	PHAS=	267.4	FOM=	0.08
INDE	0	4	12	FOBS=	168.6	SIGMA=	5.0	PHAS=	156.1	FOM=	0.20
INDE	0	4	13	FOBS=	172.9	SIGMA=	4.8	PHAS=	49.7	FOM=	0.07
INDE	0	4	14	FOBS=	143.0	SIGMA=	5.7	PHAS=	282.8	FOM=	0.27
INDE	0	4	15	FOBS=	40.2	SIGMA=	18.0	PHAS=	170.8	FOM=	0.26
INDE	0	4	16	FOBS=	111.7	SIGMA=	7.0	PHAS=	149.8	FOM=	0.24
INDE	0	5	1	FOBS=	153.2	SIGMA=	1.1	PHAS=	333.5	FOM=	1.00
INDE	0	5	2	FOBS=	41.3	SIGMA=	4.0	PHAS=	238.2	FOM=	0.88
INDE	0	5	3	FOBS=	103.1	SIGMA=	2.3	PHAS=	58.9	FOM=	0.56
INDE	0	5	4	FOBS=	389.1	SIGMA=	1.1	PHAS=	332.6	FOM=	0.97
INDE	0	5	5	FOBS=	327.4	SIGMA=	1.3	PHAS=	337.1	FOM=	0.98
INDE	0	5	6	FOBS=	214.4	SIGMA=	1.9	PHAS=	261.0	FOM=	0.95
INDE	0	5	7	FOBS=	220.1	SIGMA=	2.1	PHAS=	318.9	FOM=	0.75

Fig. 10A-80

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INDE	0	5	8	FOBS=	324.0	SIGMA=	1.7	PHAS=	179.9	FOM=	0.91
INDE	00	55	9	FOBS=	162.0	SIGMA=	3.4	PHAS=	356.8	FOM=	0.10
INDE	00	55	10	FOBS=	130.0	SIGMA=	5.1	PHAS=	339.1	FOM=	0.63
INDE	00	55	11	FOBS=	211.8	SIGMA=	3.3	PHAS=	313.4	FOM=	0.83
INDE	00	55	12	FOBS=	63.0	SIGMA=	15.2	PHAS=	9.7	FOM=	0.14
INDE	00	55	13	FOBS=	103.9	SIGMA=	7.7	PHAS=	282.5	FOM=	0.18
INDE	00	55	14	FOBS=	327.1	SIGMA=	2.5	PHAS=	229.3	FOM=	0.90
INDE	00	55	15	FOBS=	52.0	SIGMA=	39.2	PHAS=	14.1	FOM=	0.04
INDE	00	55	16	FOBS=	87.1	SIGMA=	46.4	PHAS=	320.8	FOM=	0.07
INDE	00	66	0	FOBS=	77.8	SIGMA=	3.0	PHAS=	246.1	FOM=	0.81
INDE	00	66	1	FOBS=	483.5	SIGMA=	0.8	PHAS=	109.2	FOM=	0.50
INDE	00	66	2	FOBS=	100.1	SIGMA=	2.1	PHAS=	247.1	FOM=	0.97
INDE	00	66	3	FOBS=	183.6	SIGMA=	1.5	PHAS=	45.7	FOM=	0.97
INDE	00	66	4	FOBS=	67.8	SIGMA=	5.5	PHAS=	89.8	FOM=	0.60
INDE	00	66	5	FOBS=	291.9	SIGMA=	1.5	PHAS=	255.4	FOM=	0.99
INDE	00	66	6	FOBS=	138.1	SIGMA=	2.9	PHAS=	210.2	FOM=	0.78
INDE	00	66	7	FOBS=	151.6	SIGMA=	2.9	PHAS=	10.0	FOM=	0.84
INDE	00	66	8	FOBS=	96.5	SIGMA=	5.4	PHAS=	339.1	FOM=	0.17
INDE	00	66	9	FOBS=	260.2	SIGMA=	2.2	PHAS=	338.7	FOM=	0.95
INDE	00	66	10	FOBS=	688.1	SIGMA=	9.9	PHAS=	159.7	FOM=	0.23
INDE	00	66	11	FOBS=	248.1	SIGMA=	2.8	PHAS=	61.2	FOM=	0.69
INDE	00	66	12	FOBS=	399.6	SIGMA=	2.3	PHAS=	199.3	FOM=	0.88
INDE	00	66	13	FOBS=	53.1	SIGMA=	16.0	PHAS=	204.4	FOM=	0.11
INDE	00	66	14	FOBS=	278.6	SIGMA=	2.8	PHAS=	34.8	FOM=	0.73
INDE	00	66	15	FOBS=	75.1	SIGMA=	10.2	PHAS=	264.5	FOM=	0.19
INDE	00	66	16	FOBS=	85.6	SIGMA=	9.1	PHAS=	17.6	FOM=	0.03
INDE	00	77	1	FOBS=	291.9	SIGMA=	1.0	PHAS=	315.8	FOM=	1.00
INDE	00	77	2	FOBS=	342.0	SIGMA=	1.0	PHAS=	50.5	FOM=	0.94
INDE	00	77	3	FOBS=	351.8	SIGMA=	1.1	PHAS=	123.5	FOM=	1.00
INDE	00	77	4	FOBS=	164.0	SIGMA=	1.9	PHAS=	340.1	FOM=	0.94
INDE	00	77	5	FOBS=	111.0	SIGMA=	3.2	PHAS=	251.6	FOM=	0.92
INDE	00	77	6	FOBS=	133.2	SIGMA=	3.6	PHAS=	199.1	FOM=	0.96
INDE	00	77	7	FOBS=	160.9	SIGMA=	2.9	PHAS=	120.3	FOM=	0.78
INDE	00	77	8	FOBS=	273.7	SIGMA=	1.9	PHAS=	221.0	FOM=	0.92
INDE	00	77	9	FOBS=	233.0	SIGMA=	2.4	PHAS=	213.6	FOM=	0.89
INDE	00	77	10	FOBS=	282.9	SIGMA=	2.3	PHAS=	10.9	FOM=	0.30
INDE	00	77	11	FOBS=	196.9	SIGMA=	3.6	PHAS=	5.5	FOM=	0.37
INDE	00	77	12	FOBS=	373.4	SIGMA=	2.2	PHAS=	23.6	FOM=	0.37
INDE	00	77	13	FOBS=	260.6	SIGMA=	3.4	PHAS=	46.1	FOM=	0.42
INDE	00	77	14	FOBS=	189.6	SIGMA=	4.9	PHAS=	353.0	FOM=	0.08
INDE	00	77	15	FOBS=	69.1	SIGMA=	11.4	PHAS=	324.7	FOM=	0.06
INDE	00	77	16	FOBS=	49.8	SIGMA=	34.1	PHAS=	101.3	FOM=	0.01
INDE	00	88	0	FOBS=	150.4	SIGMA=	2.8	PHAS=	211.0	FOM=	0.99
INDE	00	88	1	FOBS=	1288.5	SIGMA=	2.0	PHAS=	241.6	FOM=	0.94
INDE	00	88	2	FOBS=	188.4	SIGMA=	1.5	PHAS=	168.5	FOM=	0.95
INDE	00	88	3	FOBS=	185.7	SIGMA=	1.5	PHAS=	64.4	FOM=	0.97
INDE	00	88	4	FOBS=	157.4	SIGMA=	1.9	PHAS=	267.9	FOM=	0.88
INDE	00	88	5	FOBS=	166.4	SIGMA=	2.4	PHAS=	133.2	FOM=	0.26
INDE	00	88	6	FOBS=	145.9	SIGMA=	2.7	PHAS=	269.7	FOM=	0.75
INDE	00	88	7	FOBS=	106.6	SIGMA=	4.6	PHAS=	252.4	FOM=	0.72
INDE	00	88	8	FOBS=	78.2	SIGMA=	7.4	PHAS=	339.3	FOM=	0.18
INDE	00	88	9	FOBS=	180.6	SIGMA=	3.1	PHAS=	73.1	FOM=	0.80
INDE	00	88	10	FOBS=	93.0	SIGMA=	7.0	PHAS=	44.7	FOM=	0.49
INDE	00	88	11	FOBS=	153.2	SIGMA=	4.9	PHAS=	32.9	FOM=	0.24
INDE	00	88	12	FOBS=	143.8	SIGMA=	5.7	PHAS=	136.5	FOM=	0.42
INDE	00	88	13	FOBS=	136.9	SIGMA=	6.1	PHAS=	344.4	FOM=	0.35
INDE	00	88	14	FOBS=	156.4	SIGMA=	6.2	PHAS=	255.1	FOM=	0.04
INDE	00	88	15	FOBS=	100.4	SIGMA=	7.7	PHAS=	166.5	FOM=	0.16
INDE	00	88	16	FOBS=	94.1	SIGMA=	8.3	PHAS=	348.0	FOM=	0.06
INDE	00	99	1	FOBS=	158.0	SIGMA=	1.9	PHAS=	244.5	FOM=	0.72
INDE	00	99	2	FOBS=	47.9	SIGMA=	5.3	PHAS=	241.0	FOM=	0.29
INDE	00	99	3	FOBS=	133.7	SIGMA=	2.0	PHAS=	148.9	FOM=	0.89
INDE	00	99	4	FOBS=	73.7	SIGMA=	3.9	PHAS=	336.9	FOM=	0.76
INDE	00	99	5	FOBS=	50.9	SIGMA=	6.9	PHAS=	279.1	FOM=	0.30
INDE	00	99	6	FOBS=	146.5	SIGMA=	2.7	PHAS=	324.3	FOM=	0.70
INDE	00	99	7	FOBS=	197.4	SIGMA=	2.3	PHAS=	113.9	FOM=	0.64
INDE	00	99	8	FOBS=	33.8	SIGMA=	15.4	PHAS=	202.9	FOM=	0.05
INDE	00	99	9	FOBS=	178.3	SIGMA=	3.8	PHAS=	296.3	FOM=	0.16
INDE	00	99	10	FOBS=	254.6	SIGMA=	2.5	PHAS=	275.4	FOM=	0.76
INDE	00	99	11	FOBS=	128.8	SIGMA=	5.8	PHAS=	151.1	FOM=	0.35
INDE	00	99	12	FOBS=	352.9	SIGMA=	2.2	PHAS=	56.7	FOM=	0.14

Fig. 10A-81



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INDE	0	9	13	FOBS=	297.9	SIGMA=	2.6	PHAS=	311.9	FOM=	0.22
INDE	0	9	14	FOBS=	172.0	SIGMA=	4.8	PHAS=	105.1	FOM=	0.34
INDE	0	9	15	FOBS=	150.0	SIGMA=	6.3	PHAS=	296.1	FOM=	0.03
INDE	0	9	16	FOBS=	72.1	SIGMA=	10.9	PHAS=	342.5	FOM=	0.07
INDE	0	10	0	FOBS=	376.8	SIGMA=	1.6	PHAS=	229.0	FOM=	0.07
INDE	0	10	1	FOBS=	141.7	SIGMA=	1.7	PHAS=	48.6	FOM=	0.97
INDE	0	10	2	FOBS=	214.6	SIGMA=	1.3	PHAS=	166.0	FOM=	0.65
INDE	0	10	3	FOBS=	244.5	SIGMA=	1.4	PHAS=	96.5	FOM=	1.00
INDE	0	10	4	FOBS=	150.9	SIGMA=	2.1	PHAS=	351.9	FOM=	0.96
INDE	0	10	5	FOBS=	189.3	SIGMA=	2.0	PHAS=	77.5	FOM=	0.97
INDE	0	10	6	FOBS=	63.3	SIGMA=	7.1	PHAS=	156.0	FOM=	0.25
INDE	0	10	7	FOBS=	195.6	SIGMA=	2.4	PHAS=	229.5	FOM=	0.47
INDE	0	10	8	FOBS=	246.8	SIGMA=	2.1	PHAS=	303.0	FOM=	0.95
INDE	0	10	9	FOBS=	201.9	SIGMA=	3.1	PHAS=	264.0	FOM=	0.95
INDE	0	10	10	FOBS=	425.2	SIGMA=	2.2	PHAS=	235.4	FOM=	0.97
INDE	0	10	11	FOBS=	133.9	SIGMA=	6.5	PHAS=	333.1	FOM=	0.10
INDE	0	10	12	FOBS=	153.3	SIGMA=	5.3	PHAS=	208.1	FOM=	0.75
INDE	0	10	13	FOBS=	172.9	SIGMA=	4.8	PHAS=	110.7	FOM=	0.78
INDE	0	10	14	FOBS=	147.7	SIGMA=	5.4	PHAS=	2.1	FOM=	0.05
INDE	0	10	15	FOBS=	146.2	SIGMA=	6.1	PHAS=	64.9	FOM=	0.05
INDE	0	10	16	FOBS=	85.6	SIGMA=	18.8	PHAS=	71.9	FOM=	0.07
INDE	0	11	1	FOBS=	281.5	SIGMA=	1.4	PHAS=	258.3	FOM=	0.96
INDE	0	11	2	FOBS=	121.1	SIGMA=	2.2	PHAS=	181.2	FOM=	0.77
INDE	0	11	3	FOBS=	245.5	SIGMA=	1.4	PHAS=	36.2	FOM=	0.98
INDE	0	11	4	FOBS=	290.2	SIGMA=	1.4	PHAS=	201.2	FOM=	1.00
INDE	0	11	5	FOBS=	176.5	SIGMA=	2.1	PHAS=	64.3	FOM=	0.93
INDE	0	11	6	FOBS=	59.5	SIGMA=	6.0	PHAS=	201.3	FOM=	0.83
INDE	0	11	7	FOBS=	153.7	SIGMA=	2.8	PHAS=	175.1	FOM=	0.97
INDE	0	11	8	FOBS=	312.6	SIGMA=	1.8	PHAS=	45.3	FOM=	0.78
INDE	0	11	9	FOBS=	81.4	SIGMA=	7.2	PHAS=	172.1	FOM=	0.59
INDE	0	11	10	FOBS=	119.0	SIGMA=	5.6	PHAS=	35.6	FOM=	0.76
INDE	0	11	11	FOBS=	142.3	SIGMA=	5.5	PHAS=	194.3	FOM=	0.39
INDE	0	11	12	FOBS=	171.9	SIGMA=	5.3	PHAS=	184.9	FOM=	0.01
INDE	0	11	13	FOBS=	75.6	SIGMA=	11.3	PHAS=	48.0	FOM=	0.14
INDE	0	11	14	FOBS=	53.4	SIGMA=	20.2	PHAS=	242.2	FOM=	0.08
INDE	0	11	15	FOBS=	89.1	SIGMA=	8.5	PHAS=	298.4	FOM=	0.04
INDE	0	12	0	FOBS=	257.9	SIGMA=	1.8	PHAS=	244.0	FOM=	0.97
INDE	0	12	1	FOBS=	197.4	SIGMA=	1.9	PHAS=	151.6	FOM=	0.96
INDE	0	12	2	FOBS=	51.0	SIGMA=	5.9	PHAS=	25.6	FOM=	0.41
INDE	0	12	3	FOBS=	230.1	SIGMA=	1.6	PHAS=	105.6	FOM=	0.77
INDE	0	12	4	FOBS=	37.1	SIGMA=	6.4	PHAS=	327.1	FOM=	0.60
INDE	0	12	5	FOBS=	245.4	SIGMA=	1.7	PHAS=	75.1	FOM=	0.99
INDE	0	12	6	FOBS=	212.5	SIGMA=	2.0	PHAS=	239.8	FOM=	0.94
INDE	0	12	7	FOBS=	326.7	SIGMA=	1.7	PHAS=	53.0	FOM=	1.00
INDE	0	12	8	FOBS=	249.1	SIGMA=	2.2	PHAS=	160.1	FOM=	0.99
INDE	0	12	9	FOBS=	311.7	SIGMA=	2.0	PHAS=	26.3	FOM=	0.97
INDE	0	12	10	FOBS=	196.8	SIGMA=	3.3	PHAS=	301.0	FOM=	0.16
INDE	0	12	11	FOBS=	289.7	SIGMA=	2.5	PHAS=	158.3	FOM=	0.78
INDE	0	12	12	FOBS=	78.0	SIGMA=	10.5	PHAS=	302.8	FOM=	0.05
INDE	0	12	13	FOBS=	64.8	SIGMA=	12.4	PHAS=	104.4	FOM=	0.13
INDE	0	12	14	FOBS=	116.4	SIGMA=	7.4	PHAS=	256.4	FOM=	0.27
INDE	0	12	15	FOBS=	90.5	SIGMA=	9.5	PHAS=	173.6	FOM=	0.04
INDE	0	13	1	FOBS=	32.7	SIGMA=	9.0	PHAS=	139.8	FOM=	0.45
INDE	0	13	2	FOBS=	107.3	SIGMA=	4.2	PHAS=	2.0	FOM=	0.93
INDE	0	13	3	FOBS=	220.5	SIGMA=	1.8	PHAS=	261.9	FOM=	0.99
INDE	0	13	4	FOBS=	134.9	SIGMA=	2.6	PHAS=	191.1	FOM=	0.91
INDE	0	13	5	FOBS=	111.0	SIGMA=	3.7	PHAS=	78.6	FOM=	0.92
INDE	0	13	6	FOBS=	353.3	SIGMA=	1.4	PHAS=	150.0	FOM=	1.00
INDE	0	13	7	FOBS=	153.4	SIGMA=	2.9	PHAS=	134.9	FOM=	0.45
INDE	0	13	8	FOBS=	118.5	SIGMA=	4.7	PHAS=	155.9	FOM=	0.70
INDE	0	13	9	FOBS=	139.3	SIGMA=	4.2	PHAS=	342.8	FOM=	0.85
INDE	0	13	10	FOBS=	150.7	SIGMA=	4.6	PHAS=	48.5	FOM=	0.87
INDE	0	13	11	FOBS=	151.8	SIGMA=	5.0	PHAS=	122.4	FOM=	0.82
INDE	0	13	12	FOBS=	138.4	SIGMA=	5.3	PHAS=	79.1	FOM=	0.35
INDE	0	13	13	FOBS=	206.7	SIGMA=	3.6	PHAS=	207.4	FOM=	0.42
INDE	0	13	14	FOBS=	45.9	SIGMA=	18.2	PHAS=	186.0	FOM=	0.30
INDE	0	13	15	FOBS=	53.5	SIGMA=	30.0	PHAS=	39.4	FOM=	0.06
INDE	0	14	0	FOBS=	238.2	SIGMA=	2.1	PHAS=	82.9	FOM=	0.97
INDE	0	14	1	FOBS=	127.7	SIGMA=	2.3	PHAS=	187.6	FOM=	0.99
INDE	0	14	2	FOBS=	102.0	SIGMA=	3.5	PHAS=	62.6	FOM=	0.94
INDE	0	14	3	FOBS=	265.7	SIGMA=	1.6	PHAS=	198.5	FOM=	0.95

Fig. 10A-82

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INDE	0	14	4	FOBS=	311.9	SIGMA=	1.5	PHAS=	120.7	FOM=	0.95
INDE	0	14	5	FOBS=	309.3	SIGMA=	1.5	PHAS=	191.7	FOM=	1.00
INDE	0	14	6	FOBS=	270.9	SIGMA=	1.7	PHAS=	78.9	FOM=	0.90
INDE	0	14	7	FOBS=	400.0	SIGMA=	1.4	PHAS=	202.5	FOM=	0.20
INDE	0	14	8	FOBS=	327.4	SIGMA=	1.9	PHAS=	337.7	FOM=	0.43
INDE	0	14	9	FOBS=	220.1	SIGMA=	2.6	PHAS=	230.2	FOM=	0.77
INDE	0	14	10	FOBS=	341.1	SIGMA=	2.1	PHAS=	202.5	FOM=	0.83
INDE	0	14	11	FOBS=	256.5	SIGMA=	2.7	PHAS=	119.2	FOM=	0.73
INDE	0	14	12	FOBS=	90.0	SIGMA=	8.1	PHAS=	268.6	FOM=	0.51
INDE	0	14	13	FOBS=	106.7	SIGMA=	6.7	PHAS=	83.5	FOM=	0.36
INDE	0	14	14	FOBS=	50.3	SIGMA=	18.9	PHAS=	43.8	FOM=	0.05
INDE	0	14	15	FOBS=	70.0	SIGMA=	10.7	PHAS=	320.3	FOM=	0.15
INDE	0	15	1	FOBS=	73.0	SIGMA=	4.0	PHAS=	141.6	FOM=	0.96
INDE	0	15	2	FOBS=	140.9	SIGMA=	2.2	PHAS=	302.5	FOM=	1.00
INDE	0	15	3	FOBS=	128.3	SIGMA=	3.3	PHAS=	290.2	FOM=	0.95
INDE	0	15	4	FOBS=	232.5	SIGMA=	2.0	PHAS=	194.4	FOM=	0.64
INDE	0	15	5	FOBS=	253.2	SIGMA=	1.9	PHAS=	175.4	FOM=	0.97
INDE	0	15	6	FOBS=	334.4	SIGMA=	1.5	PHAS=	275.6	FOM=	0.95
INDE	0	15	7	FOBS=	447.2	SIGMA=	1.3	PHAS=	144.1	FOM=	0.95
INDE	0	15	8	FOBS=	389.1	SIGMA=	1.5	PHAS=	14.6	FOM=	0.90
INDE	0	15	9	FOBS=	112.6	SIGMA=	5.2	PHAS=	278.5	FOM=	0.21
INDE	0	15	10	FOBS=	125.7	SIGMA=	5.4	PHAS=	111.1	FOM=	0.73
INDE	0	15	11	FOBS=	202.8	SIGMA=	3.3	PHAS=	85.8	FOM=	0.64
INDE	0	15	12	FOBS=	166.7	SIGMA=	4.3	PHAS=	311.0	FOM=	0.24
INDE	0	15	13	FOBS=	136.2	SIGMA=	5.3	PHAS=	91.5	FOM=	0.29
INDE	0	15	14	FOBS=	160.8	SIGMA=	4.5	PHAS=	316.0	FOM=	0.86
INDE	0	15	15	FOBS=	56.0	SIGMA=	24.0	PHAS=	74.2	FOM=	0.16
INDE	0	16	0	FOBS=	292.8	SIGMA=	1.9	PHAS=	111.0	FOM=	0.54
INDE	0	16	1	FOBS=	183.1	SIGMA=	1.9	PHAS=	125.6	FOM=	0.91
INDE	0	16	2	FOBS=	113.7	SIGMA=	3.1	PHAS=	259.8	FOM=	0.52
INDE	0	16	3	FOBS=	181.8	SIGMA=	2.0	PHAS=	333.0	FOM=	0.22
INDE	0	16	4	FOBS=	333.5	SIGMA=	1.5	PHAS=	314.0	FOM=	0.82
INDE	0	16	5	FOBS=	202.8	SIGMA=	2.4	PHAS=	35.4	FOM=	0.11
INDE	0	16	6	FOBS=	175.9	SIGMA=	2.8	PHAS=	297.5	FOM=	0.56
INDE	0	16	7	FOBS=	162.9	SIGMA=	3.1	PHAS=	191.0	FOM=	0.15
INDE	0	16	8	FOBS=	306.0	SIGMA=	1.9	PHAS=	271.9	FOM=	0.84
INDE	0	16	9	FOBS=	417.8	SIGMA=	1.8	PHAS=	6.3	FOM=	0.39
INDE	0	16	10	FOBS=	286.6	SIGMA=	2.3	PHAS=	278.3	FOM=	0.93
INDE	0	16	11	FOBS=	102.7	SIGMA=	6.6	PHAS=	124.9	FOM=	0.27
INDE	0	16	12	FOBS=	177.1	SIGMA=	4.0	PHAS=	316.8	FOM=	0.13
INDE	0	16	13	FOBS=	162.5	SIGMA=	4.4	PHAS=	261.6	FOM=	0.72
INDE	0	16	14	FOBS=	165.0	SIGMA=	4.4	PHAS=	160.9	FOM=	0.42
INDE	0	17	1	FOBS=	118.5	SIGMA=	3.1	PHAS=	268.1	FOM=	0.93
INDE	0	17	2	FOBS=	440.9	SIGMA=	1.1	PHAS=	293.5	FOM=	0.97
INDE	0	17	3	FOBS=	166.8	SIGMA=	2.5	PHAS=	134.5	FOM=	0.95
INDE	0	17	4	FOBS=	239.9	SIGMA=	1.8	PHAS=	358.6	FOM=	0.95
INDE	0	17	5	FOBS=	493.7	SIGMA=	1.4	PHAS=	67.7	FOM=	0.43
INDE	0	17	6	FOBS=	343.7	SIGMA=	1.8	PHAS=	322.0	FOM=	0.95
INDE	0	17	7	FOBS=	236.4	SIGMA=	2.2	PHAS=	100.0	FOM=	0.72
INDE	0	17	8	FOBS=	163.7	SIGMA=	3.3	PHAS=	307.9	FOM=	0.71
INDE	0	17	9	FOBS=	169.3	SIGMA=	3.8	PHAS=	332.5	FOM=	0.75
INDE	0	17	10	FOBS=	283.2	SIGMA=	2.3	PHAS=	58.8	FOM=	0.92
INDE	0	17	11	FOBS=	83.4	SIGMA=	7.7	PHAS=	280.1	FOM=	0.21
INDE	0	17	12	FOBS=	67.0	SIGMA=	9.9	PHAS=	211.0	FOM=	0.11
INDE	0	17	13	FOBS=	58.4	SIGMA=	11.8	PHAS=	103.4	FOM=	0.25
INDE	0	17	14	FOBS=	163.7	SIGMA=	4.3	PHAS=	189.4	FOM=	0.02
INDE	0	18	0	FOBS=	375.7	SIGMA=	1.7	PHAS=	340.1	FOM=	0.94
INDE	0	18	1	FOBS=	175.8	SIGMA=	2.1	PHAS=	328.4	FOM=	0.83
INDE	0	18	2	FOBS=	198.3	SIGMA=	2.0	PHAS=	353.2	FOM=	0.94
INDE	0	18	3	FOBS=	338.5	SIGMA=	1.5	PHAS=	91.0	FOM=	0.98
INDE	0	18	4	FOBS=	310.4	SIGMA=	1.6	PHAS=	356.4	FOM=	0.85
INDE	0	18	5	FOBS=	210.3	SIGMA=	2.1	PHAS=	119.4	FOM=	0.92
INDE	0	18	6	FOBS=	113.4	SIGMA=	4.9	PHAS=	140.2	FOM=	0.40
INDE	0	18	7	FOBS=	90.3	SIGMA=	6.0	PHAS=	50.1	FOM=	0.52
INDE	0	18	8	FOBS=	64.5	SIGMA=	8.7	PHAS=	252.4	FOM=	0.09
INDE	0	18	9	FOBS=	275.6	SIGMA=	2.2	PHAS=	241.7	FOM=	0.93
INDE	0	18	10	FOBS=	248.8	SIGMA=	2.4	PHAS=	215.7	FOM=	0.95
INDE	0	18	11	FOBS=	55.7	SIGMA=	11.4	PHAS=	188.3	FOM=	0.09
INDE	0	18	12	FOBS=	65.7	SIGMA=	10.1	PHAS=	229.0	FOM=	0.19
INDE	0	18	13	FOBS=	135.0	SIGMA=	4.9	PHAS=	323.3	FOM=	0.40
INDE	0	18	14	FOBS=	73.6	SIGMA=	9.2	PHAS=	86.1	FOM=	0.01

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INDE	0	19	1	FOBS=	215.2	SIGMA=	1.8	PHAS=	118.9	FOM=	0.79
INDE	0	19	2	FOBS=	59.3	SIGMA=	6.1	PHAS=	25.4	FOM=	0.24
INDE	0	19	3	FOBS=	146.5	SIGMA=	2.7	PHAS=	167.4	FOM=	0.55
INDE	0	19	4	FOBS=	236.7	SIGMA=	1.9	PHAS=	216.7	FOM=	0.97
INDE	0	19	5	FOBS=	217.5	SIGMA=	2.1	PHAS=	243.8	FOM=	0.84
INDE	0	19	6	FOBS=	482.2	SIGMA=	1.3	PHAS=	18.1	FOM=	1.00
INDE	0	19	7	FOBS=	302.8	SIGMA=	2.2	PHAS=	323.4	FOM=	0.96
INDE	0	19	8	FOBS=	267.1	SIGMA=	2.4	PHAS=	146.9	FOM=	0.05
INDE	0	19	9	FOBS=	256.6	SIGMA=	2.3	PHAS=	188.3	FOM=	0.37
INDE	0	19	10	FOBS=	214.5	SIGMA=	3.1	PHAS=	112.2	FOM=	0.57
INDE	0	19	11	FOBS=	112.7	SIGMA=	5.5	PHAS=	256.0	FOM=	0.16
INDE	0	19	12	FOBS=	125.1	SIGMA=	5.1	PHAS=	133.7	FOM=	0.25
INDE	0	19	13	FOBS=	117.9	SIGMA=	5.6	PHAS=	74.6	FOM=	0.47
INDE	0	20	0	FOBS=	377.7	SIGMA=	1.7	PHAS=	109.4	FOM=	0.96
INDE	0	20	1	FOBS=	215.0	SIGMA=	1.9	PHAS=	353.1	FOM=	0.98
INDE	0	20	2	FOBS=	272.4	SIGMA=	1.7	PHAS=	3.5	FOM=	0.97
INDE	0	20	3	FOBS=	75.1	SIGMA=	5.1	PHAS=	266.2	FOM=	0.45
INDE	0	20	4	FOBS=	298.7	SIGMA=	1.6	PHAS=	151.9	FOM=	0.95
INDE	0	20	5	FOBS=	176.2	SIGMA=	2.6	PHAS=	37.8	FOM=	0.85
INDE	0	20	6	FOBS=	256.9	SIGMA=	2.0	PHAS=	218.8	FOM=	0.87
INDE	0	20	7	FOBS=	58.0	SIGMA=	10.8	PHAS=	237.3	FOM=	0.27
INDE	0	20	8	FOBS=	421.9	SIGMA=	1.8	PHAS=	297.2	FOM=	0.92
INDE	0	20	9	FOBS=	133.0	SIGMA=	4.7	PHAS=	132.7	FOM=	0.20
INDE	0	20	10	FOBS=	130.4	SIGMA=	4.8	PHAS=	296.2	FOM=	0.18
INDE	0	20	11	FOBS=	262.3	SIGMA=	2.4	PHAS=	356.9	FOM=	0.15
INDE	0	20	12	FOBS=	142.3	SIGMA=	4.5	PHAS=	359.9	FOM=	0.91
INDE	0	20	13	FOBS=	142.5	SIGMA=	4.5	PHAS=	312.7	FOM=	0.03
INDE	0	21	1	FOBS=	264.9	SIGMA=	1.6	PHAS=	69.7	FOM=	0.90
INDE	0	21	2	FOBS=	248.6	SIGMA=	1.8	PHAS=	266.0	FOM=	0.93
INDE	0	21	3	FOBS=	155.9	SIGMA=	2.7	PHAS=	249.0	FOM=	0.92
INDE	0	21	4	FOBS=	177.1	SIGMA=	2.7	PHAS=	250.8	FOM=	0.89
INDE	0	21	5	FOBS=	165.1	SIGMA=	2.8	PHAS=	142.1	FOM=	0.10
INDE	0	21	6	FOBS=	321.8	SIGMA=	1.7	PHAS=	57.7	FOM=	0.92
INDE	0	21	7	FOBS=	215.7	SIGMA=	2.5	PHAS=	24.8	FOM=	0.86
INDE	0	21	8	FOBS=	110.8	SIGMA=	5.5	PHAS=	119.7	FOM=	0.40
INDE	0	21	9	FOBS=	62.1	SIGMA=	10.9	PHAS=	211.9	FOM=	0.16
INDE	0	21	10	FOBS=	73.8	SIGMA=	7.6	PHAS=	26.5	FOM=	0.22
INDE	0	21	11	FOBS=	83.1	SIGMA=	7.8	PHAS=	115.7	FOM=	0.15
INDE	0	21	12	FOBS=	47.8	SIGMA=	14.0	PHAS=	262.3	FOM=	0.09
INDE	0	21	13	FOBS=	120.7	SIGMA=	6.8	PHAS=	134.9	FOM=	0.08
INDE	0	22	0	FOBS=	225.3	SIGMA=	2.5	PHAS=	353.1	FOM=	0.89
INDE	0	22	1	FOBS=	361.9	SIGMA=	1.3	PHAS=	25.5	FOM=	0.97
INDE	0	22	2	FOBS=	285.1	SIGMA=	1.7	PHAS=	223.8	FOM=	0.91
INDE	0	22	3	FOBS=	230.2	SIGMA=	2.0	PHAS=	111.1	FOM=	0.62
INDE	0	22	4	FOBS=	128.7	SIGMA=	4.2	PHAS=	330.3	FOM=	0.84
INDE	0	22	5	FOBS=	134.1	SIGMA=	3.7	PHAS=	246.3	FOM=	0.89
INDE	0	22	6	FOBS=	291.8	SIGMA=	1.9	PHAS=	323.5	FOM=	0.94
INDE	0	22	7	FOBS=	208.3	SIGMA=	2.7	PHAS=	322.3	FOM=	0.23
INDE	0	22	8	FOBS=	242.5	SIGMA=	2.4	PHAS=	210.8	FOM=	0.92
INDE	0	22	9	FOBS=	177.4	SIGMA=	3.6	PHAS=	173.1	FOM=	0.64
INDE	0	22	10	FOBS=	207.8	SIGMA=	3.1	PHAS=	24.4	FOM=	0.39
INDE	0	22	11	FOBS=	185.6	SIGMA=	3.5	PHAS=	164.4	FOM=	0.87
INDE	0	22	12	FOBS=	129.9	SIGMA=	4.7	PHAS=	53.0	FOM=	0.18
INDE	0	23	1	FOBS=	644.7	SIGMA=	1.0	PHAS=	238.6	FOM=	0.98
INDE	0	23	2	FOBS=	144.2	SIGMA=	2.7	PHAS=	201.3	FOM=	0.96
INDE	0	23	3	FOBS=	328.4	SIGMA=	1.6	PHAS=	320.3	FOM=	0.99
INDE	0	23	4	FOBS=	91.5	SIGMA=	5.0	PHAS=	269.1	FOM=	0.08
INDE	0	23	5	FOBS=	125.7	SIGMA=	3.9	PHAS=	144.5	FOM=	0.63
INDE	0	23	6	FOBS=	149.2	SIGMA=	3.4	PHAS=	18.6	FOM=	0.83
INDE	0	23	7	FOBS=	176.4	SIGMA=	2.9	PHAS=	185.7	FOM=	0.83
INDE	0	23	8	FOBS=	214.6	SIGMA=	2.5	PHAS=	283.7	FOM=	0.60
INDE	0	23	9	FOBS=	291.3	SIGMA=	2.3	PHAS=	42.9	FOM=	0.90
INDE	0	23	10	FOBS=	189.9	SIGMA=	3.1	PHAS=	23.7	FOM=	0.36
INDE	0	23	11	FOBS=	281.1	SIGMA=	2.6	PHAS=	275.3	FOM=	0.92
INDE	0	23	12	FOBS=	67.5	SIGMA=	8.7	PHAS=	60.7	FOM=	0.08
INDE	0	24	0	FOBS=	427.4	SIGMA=	2.5	PHAS=	170.9	FOM=	0.99
INDE	0	24	1	FOBS=	194.9	SIGMA=	2.2	PHAS=	97.3	FOM=	0.92
INDE	0	24	2	FOBS=	322.5	SIGMA=	1.6	PHAS=	67.1	FOM=	0.73
INDE	0	24	3	FOBS=	326.6	SIGMA=	1.7	PHAS=	236.3	FOM=	0.95
INDE	0	24	4	FOBS=	155.6	SIGMA=	3.0	PHAS=	141.0	FOM=	0.89
INDE	0	24	5	FOBS=	304.6	SIGMA=	2.0	PHAS=	103.4	FOM=	0.91

Fig. 10A-84

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INDE	0	24	6	FOBS=	43.9	SIGMA=	12.4	PHAS=	187.3	FOM=	0.08
INDE	0	24	7	FOBS=	202.5	SIGMA=	2.6	PHAS=	25.7	FOM=	0.66
INDE	0	24	8	FOBS=	197.6	SIGMA=	2.8	PHAS=	63.2	FOM=	0.45
INDE	0	24	9	FOBS=	121.8	SIGMA=	4.6	PHAS=	86.4	FOM=	0.51
INDE	0	24	10	FOBS=	168.4	SIGMA=	3.6	PHAS=	233.8	FOM=	0.94
INDE	0	24	11	FOBS=	61.5	SIGMA=	10.0	PHAS=	102.5	FOM=	0.05
INDE	0	25	1	FOBS=	82.4	SIGMA=	5.6	PHAS=	340.3	FOM=	0.88
INDE	0	25	2	FOBS=	52.0	SIGMA=	10.3	PHAS=	115.6	FOM=	0.60
INDE	0	25	3	FOBS=	230.3	SIGMA=	2.1	PHAS=	73.2	FOM=	0.98
INDE	0	25	4	FOBS=	189.6	SIGMA=	2.4	PHAS=	147.6	FOM=	0.94
INDE	0	25	5	FOBS=	179.4	SIGMA=	3.0	PHAS=	346.2	FOM=	0.86
INDE	0	25	6	FOBS=	45.1	SIGMA=	10.6	PHAS=	246.1	FOM=	0.34
INDE	0	25	7	FOBS=	239.1	SIGMA=	2.3	PHAS=	101.6	FOM=	0.97
INDE	0	25	8	FOBS=	124.6	SIGMA=	4.1	PHAS=	221.1	FOM=	0.73
INDE	0	25	9	FOBS=	49.4	SIGMA=	37.4	PHAS=	212.7	FOM=	0.32
INDE	0	25	10	FOBS=	157.4	SIGMA=	3.7	PHAS=	51.3	FOM=	0.79
INDE	0	25	11	FOBS=	155.8	SIGMA=	4.1	PHAS=	22.3	FOM=	0.91
INDE	0	26	0	FOBS=	220.1	SIGMA=	4.1	PHAS=	225.2	FOM=	0.04
INDE	0	26	1	FOBS=	176.5	SIGMA=	2.5	PHAS=	58.5	FOM=	0.10
INDE	0	26	2	FOBS=	233.3	SIGMA=	2.0	PHAS=	50.8	FOM=	0.87
INDE	0	26	3	FOBS=	250.3	SIGMA=	2.0	PHAS=	40.5	FOM=	0.86
INDE	0	26	4	FOBS=	201.7	SIGMA=	2.4	PHAS=	327.0	FOM=	0.92
INDE	0	26	5	FOBS=	131.6	SIGMA=	3.9	PHAS=	116.6	FOM=	0.81
INDE	0	26	6	FOBS=	104.6	SIGMA=	4.6	PHAS=	90.5	FOM=	0.03
INDE	0	26	7	FOBS=	133.1	SIGMA=	3.8	PHAS=	132.5	FOM=	0.85
INDE	0	26	8	FOBS=	241.1	SIGMA=	2.2	PHAS=	263.8	FOM=	0.98
INDE	0	26	9	FOBS=	67.2	SIGMA=	7.7	PHAS=	141.8	FOM=	0.17
INDE	0	26	10	FOBS=	75.3	SIGMA=	6.9	PHAS=	301.2	FOM=	0.19
INDE	0	27	1	FOBS=	81.9	SIGMA=	5.1	PHAS=	185.5	FOM=	0.13
INDE	0	27	2	FOBS=	299.4	SIGMA=	1.7	PHAS=	232.9	FOM=	0.96
INDE	0	27	3	FOBS=	119.7	SIGMA=	3.9	PHAS=	288.7	FOM=	0.92
INDE	0	27	4	FOBS=	72.6	SIGMA=	6.0	PHAS=	229.7	FOM=	0.15
INDE	0	27	5	FOBS=	178.7	SIGMA=	2.6	PHAS=	298.2	FOM=	0.93
INDE	0	27	6	FOBS=	147.4	SIGMA=	4.0	PHAS=	47.6	FOM=	0.94
INDE	0	27	7	FOBS=	284.4	SIGMA=	1.9	PHAS=	264.7	FOM=	0.95
INDE	0	27	8	FOBS=	62.0	SIGMA=	8.2	PHAS=	358.4	FOM=	0.03
INDE	0	27	9	FOBS=	53.5	SIGMA=	9.3	PHAS=	345.4	FOM=	0.14
INDE	0	27	10	FOBS=	143.2	SIGMA=	18.7	PHAS=	149.2	FOM=	0.05
INDE	0	28	0	FOBS=	153.4	SIGMA=	5.6	PHAS=	10.7	FOM=	0.26
INDE	0	28	1	FOBS=	157.8	SIGMA=	2.8	PHAS=	6.7	FOM=	0.35
INDE	0	28	2	FOBS=	118.8	SIGMA=	3.8	PHAS=	2.0	FOM=	0.67
INDE	0	28	3	FOBS=	68.6	SIGMA=	6.6	PHAS=	231.2	FOM=	0.40
INDE	0	28	4	FOBS=	80.3	SIGMA=	5.5	PHAS=	114.3	FOM=	0.23
INDE	0	28	5	FOBS=	107.1	SIGMA=	4.2	PHAS=	354.6	FOM=	0.19
INDE	0	28	6	FOBS=	105.3	SIGMA=	5.1	PHAS=	167.8	FOM=	0.07
INDE	0	28	7	FOBS=	155.5	SIGMA=	3.2	PHAS=	109.7	FOM=	0.93
INDE	0	28	8	FOBS=	69.8	SIGMA=	7.4	PHAS=	279.3	FOM=	0.33
INDE	0	28	9	FOBS=	151.9	SIGMA=	4.1	PHAS=	162.2	FOM=	0.70
INDE	0	29	1	FOBS=	252.1	SIGMA=	1.8	PHAS=	294.4	FOM=	0.76
INDE	0	29	2	FOBS=	115.5	SIGMA=	3.9	PHAS=	246.1	FOM=	0.80
INDE	0	29	3	FOBS=	186.0	SIGMA=	2.4	PHAS=	219.2	FOM=	0.88
INDE	0	29	4	FOBS=	179.7	SIGMA=	2.4	PHAS=	89.9	FOM=	0.88
INDE	0	29	5	FOBS=	306.1	SIGMA=	1.7	PHAS=	250.4	FOM=	0.89
INDE	0	29	6	FOBS=	178.0	SIGMA=	2.7	PHAS=	109.7	FOM=	0.78
INDE	0	29	7	FOBS=	88.5	SIGMA=	5.7	PHAS=	321.6	FOM=	0.55
INDE	0	29	8	FOBS=	176.8	SIGMA=	2.8	PHAS=	70.7	FOM=	0.11
INDE	0	30	0	FOBS=	385.9	SIGMA=	2.0	PHAS=	14.8	FOM=	0.86
INDE	0	30	1	FOBS=	151.0	SIGMA=	2.8	PHAS=	240.8	FOM=	0.56
INDE	0	30	2	FOBS=	54.8	SIGMA=	7.5	PHAS=	109.6	FOM=	0.19
INDE	0	30	3	FOBS=	236.3	SIGMA=	2.0	PHAS=	314.7	FOM=	0.93
INDE	0	30	4	FOBS=	143.4	SIGMA=	3.2	PHAS=	109.8	FOM=	0.69
INDE	0	30	5	FOBS=	70.5	SIGMA=	6.0	PHAS=	128.9	FOM=	0.04
INDE	0	30	6	FOBS=	115.8	SIGMA=	3.9	PHAS=	47.3	FOM=	0.39
INDE	0	30	7	FOBS=	60.6	SIGMA=	8.6	PHAS=	20.3	FOM=	0.03
INDE	0	31	1	FOBS=	155.4	SIGMA=	3.0	PHAS=	192.6	FOM=	0.94
INDE	0	31	2	FOBS=	173.5	SIGMA=	2.5	PHAS=	316.3	FOM=	0.96
INDE	0	31	3	FOBS=	121.4	SIGMA=	3.7	PHAS=	156.9	FOM=	0.47
INDE	0	31	4	FOBS=	91.5	SIGMA=	4.6	PHAS=	78.6	FOM=	0.09
INDE	0	31	5	FOBS=	44.3	SIGMA=	10.0	PHAS=	97.6	FOM=	0.10
INDE	0	31	6	FOBS=	181.6	SIGMA=	2.5	PHAS=	10.5	FOM=	0.90
INDE	0	32	0	FOBS=	61.6	SIGMA=	9.2	PHAS=	104.5	FOM=	0.03

Fig. 10A-85

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INDE	0	32	1	FOBS=	141.9	SIGMA=	3.1	PHAS=	283.7	FOM=	0.31
INDE	0	32	2	FOBS=	95.4	SIGMA=	4.3	PHAS=	25.0	FOM=	0.75
INDE	0	32	3	FOBS=	141.2	SIGMA=	3.1	PHAS=	265.6	FOM=	0.60
INDE	0	32	4	FOBS=	44.6	SIGMA=	10.1	PHAS=	97.3	FOM=	0.14
INDE	0	33	1	FOBS=	58.2	SIGMA=	8.9	PHAS=	320.5	FOM=	0.29
INDE	0	33	2	FOBS=	213.1	SIGMA=	2.1	PHAS=	318.2	FOM=	0.96
INDE	1	0	2	FOBS=	396.4	SIGMA=	0.9	PHAS=	180.0	FOM=	0.70
INDE	1	0	3	FOBS=	397.6	SIGMA=	1.4	PHAS=	180.0	FOM=	1.00
INDE	1	0	4	FOBS=	491.9	SIGMA=	1.5	PHAS=	0.0	FOM=	1.00
INDE	1	0	5	FOBS=	322.6	SIGMA=	1.8	PHAS=	180.0	FOM=	0.05
INDE	1	0	6	FOBS=	298.8	SIGMA=	2.1	PHAS=	0.0	FOM=	1.00
INDE	1	0	7	FOBS=	270.1	SIGMA=	2.7	PHAS=	0.0	FOM=	0.99
INDE	1	0	8	FOBS=	144.3	SIGMA=	6.0	PHAS=	0.0	FOM=	0.14
INDE	1	0	9	FOBS=	58.0	SIGMA=	19.4	PHAS=	180.0	FOM=	0.22
INDE	1	10	10	FOBS=	303.0	SIGMA=	4.0	PHAS=	180.0	FOM=	0.37
INDE	1	11	11	FOBS=	526.7	SIGMA=	2.7	PHAS=	180.0	FOM=	0.00
INDE	1	12	12	FOBS=	116.1	SIGMA=	10.2	PHAS=	180.0	FOM=	0.04
INDE	1	13	13	FOBS=	57.7	SIGMA=	23.1	PHAS=	180.0	FOM=	0.10
INDE	1	14	14	FOBS=	58.8	SIGMA=	23.7	PHAS=	0.0	FOM=	0.01
INDE	1	15	15	FOBS=	44.4	SIGMA=	51.0	PHAS=	0.0	FOM=	0.14
INDE	1	16	16	FOBS=	124.4	SIGMA=	9.4	PHAS=	180.0	FOM=	0.28
INDE	1	1	2	FOBS=	88.1	SIGMA=	2.4	PHAS=	149.2	FOM=	0.92
INDE	1	1	3	FOBS=	206.6	SIGMA=	1.3	PHAS=	8.9	FOM=	0.97
INDE	1	1	4	FOBS=	383.0	SIGMA=	1.0	PHAS=	107.6	FOM=	0.98
INDE	1	1	5	FOBS=	325.4	SIGMA=	1.3	PHAS=	297.9	FOM=	1.00
INDE	1	1	6	FOBS=	316.5	SIGMA=	1.5	PHAS=	327.6	FOM=	0.77
INDE	1	1	7	FOBS=	174.5	SIGMA=	2.9	PHAS=	311.7	FOM=	0.94
INDE	1	1	8	FOBS=	158.2	SIGMA=	3.7	PHAS=	55.8	FOM=	0.90
INDE	1	1	9	FOBS=	145.2	SIGMA=	5.3	PHAS=	314.6	FOM=	0.84
INDE	1	1	10	FOBS=	303.7	SIGMA=	2.6	PHAS=	18.6	FOM=	0.87
INDE	1	1	11	FOBS=	408.8	SIGMA=	2.1	PHAS=	214.7	FOM=	0.82
INDE	1	1	12	FOBS=	279.5	SIGMA=	2.9	PHAS=	155.4	FOM=	0.95
INDE	1	1	13	FOBS=	178.5	SIGMA=	5.0	PHAS=	102.9	FOM=	0.77
INDE	1	1	14	FOBS=	90.6	SIGMA=	9.2	PHAS=	309.3	FOM=	0.22
INDE	1	1	15	FOBS=	55.2	SIGMA=	14.7	PHAS=	169.7	FOM=	0.13
INDE	1	1	16	FOBS=	124.7	SIGMA=	6.6	PHAS=	118.8	FOM=	0.06
INDE	1	2	2	FOBS=	261.8	SIGMA=	1.3	PHAS=	65.6	FOM=	0.98
INDE	1	2	3	FOBS=	332.8	SIGMA=	0.9	PHAS=	96.7	FOM=	1.00
INDE	1	2	4	FOBS=	173.5	SIGMA=	1.9	PHAS=	34.9	FOM=	0.85
INDE	1	2	5	FOBS=	329.1	SIGMA=	1.3	PHAS=	220.2	FOM=	0.30
INDE	1	2	6	FOBS=	198.2	SIGMA=	2.2	PHAS=	154.0	FOM=	0.08
INDE	1	2	7	FOBS=	44.5	SIGMA=	11.8	PHAS=	81.9	FOM=	0.13
INDE	1	2	8	FOBS=	197.7	SIGMA=	3.2	PHAS=	302.6	FOM=	0.78
INDE	1	2	9	FOBS=	226.8	SIGMA=	2.7	PHAS=	165.2	FOM=	0.72
INDE	1	2	10	FOBS=	326.8	SIGMA=	2.2	PHAS=	125.8	FOM=	0.88
INDE	1	2	11	FOBS=	200.0	SIGMA=	4.3	PHAS=	236.5	FOM=	0.82
INDE	1	2	12	FOBS=	113.2	SIGMA=	7.4	PHAS=	307.4	FOM=	0.27
INDE	1	2	13	FOBS=	197.5	SIGMA=	4.4	PHAS=	256.2	FOM=	0.42
INDE	1	2	14	FOBS=	66.0	SIGMA=	13.6	PHAS=	176.6	FOM=	0.22
INDE	1	2	15	FOBS=	111.3	SIGMA=	7.3	PHAS=	356.9	FOM=	0.14
INDE	1	2	16	FOBS=	67.5	SIGMA=	13.2	PHAS=	303.7	FOM=	0.02
INDE	1	3	2	FOBS=	301.0	SIGMA=	1.0	PHAS=	131.7	FOM=	0.78
INDE	1	3	3	FOBS=	303.7	SIGMA=	1.2	PHAS=	314.8	FOM=	0.97
INDE	1	3	4	FOBS=	393.6	SIGMA=	1.1	PHAS=	238.5	FOM=	0.99
INDE	1	3	5	FOBS=	386.7	SIGMA=	1.3	PHAS=	212.8	FOM=	1.00
INDE	1	3	6	FOBS=	169.4	SIGMA=	2.6	PHAS=	165.7	FOM=	0.78
INDE	1	3	7	FOBS=	139.5	SIGMA=	4.2	PHAS=	225.5	FOM=	0.47
INDE	1	3	8	FOBS=	236.3	SIGMA=	2.4	PHAS=	140.3	FOM=	0.92
INDE	1	3	9	FOBS=	331.2	SIGMA=	1.9	PHAS=	72.5	FOM=	0.96
INDE	1	3	10	FOBS=	298.4	SIGMA=	2.3	PHAS=	174.0	FOM=	0.83
INDE	1	3	11	FOBS=	260.7	SIGMA=	3.2	PHAS=	103.0	FOM=	0.46
INDE	1	3	12	FOBS=	378.0	SIGMA=	2.5	PHAS=	134.6	FOM=	0.44
INDE	1	3	13	FOBS=	381.2	SIGMA=	2.3	PHAS=	191.7	FOM=	0.91
INDE	1	3	14	FOBS=	144.4	SIGMA=	5.9	PHAS=	359.6	FOM=	0.25
INDE	1	3	15	FOBS=	43.8	SIGMA=	18.6	PHAS=	321.4	FOM=	0.15
INDE	1	3	16	FOBS=	66.3	SIGMA=	13.7	PHAS=	147.5	FOM=	0.10
INDE	1	4	1	FOBS=	254.9	SIGMA=	1.3	PHAS=	325.5	FOM=	0.98
INDE	1	4	2	FOBS=	215.7	SIGMA=	1.0	PHAS=	131.2	FOM=	0.96
INDE	1	4	3	FOBS=	332.6	SIGMA=	1.0	PHAS=	257.7	FOM=	0.94
INDE	1	4	4	FOBS=	408.5	SIGMA=	1.1	PHAS=	174.3	FOM=	0.90
INDE	1	4	5	FOBS=	132.8	SIGMA=	3.1	PHAS=	57.8	FOM=	0.60

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INDE	1	4	6	FOBS=	361.8	SIGMA=	1.6	PHAS=	192.2	FOM=	0.91
INDE	1	4	7	FOBS=	72.0	SIGMA=	7.3	PHAS=	51.2	FOM=	0.14
INDE	1	4	8	FOBS=	132.0	SIGMA=	4.3	PHAS=	32.8	FOM=	0.34
INDE	1	4	9	FOBS=	164.2	SIGMA=	4.1	PHAS=	143.8	FOM=	0.80
INDE	1	4	10	FOBS=	303.9	SIGMA=	2.3	PHAS=	354.4	FOM=	0.96
INDE	1	4	11	FOBS=	223.2	SIGMA=	3.4	PHAS=	193.4	FOM=	0.80
INDE	1	4	12	FOBS=	140.6	SIGMA=	6.8	PHAS=	358.8	FOM=	0.21
INDE	1	4	13	FOBS=	96.4	SIGMA=	9.5	PHAS=	28.6	FOM=	0.17
INDE	1	4	14	FOBS=	134.7	SIGMA=	6.2	PHAS=	215.7	FOM=	0.13
INDE	1	4	15	FOBS=	76.7	SIGMA=	10.8	PHAS=	77.2	FOM=	0.14
INDE	1	4	16	FOBS=	76.0	SIGMA=	32.2	PHAS=	147.6	FOM=	0.01
INDE	1	5	0	FOBS=	251.4	SIGMA=	1.6	PHAS=	89.4	FOM=	1.00
INDE	1	5	1	FOBS=	108.7	SIGMA=	1.7	PHAS=	184.9	FOM=	0.73
INDE	1	5	2	FOBS=	145.1	SIGMA=	1.7	PHAS=	27.3	FOM=	0.92
INDE	1	5	3	FOBS=	256.4	SIGMA=	1.1	PHAS=	75.2	FOM=	1.00
INDE	1	5	4	FOBS=	39.8	SIGMA=	8.4	PHAS=	54.7	FOM=	0.33
INDE	1	5	5	FOBS=	134.1	SIGMA=	3.9	PHAS=	227.6	FOM=	0.72
INDE	1	5	6	FOBS=	66.4	SIGMA=	7.6	PHAS=	45.6	FOM=	0.27
INDE	1	5	7	FOBS=	43.5	SIGMA=	22.3	PHAS=	273.7	FOM=	0.25
INDE	1	5	8	FOBS=	139.7	SIGMA=	4.2	PHAS=	110.4	FOM=	0.57
INDE	1	5	9	FOBS=	600.0	SIGMA=	1.3	PHAS=	27.2	FOM=	0.90
INDE	1	5	10	FOBS=	176.5	SIGMA=	4.3	PHAS=	251.4	FOM=	0.82
INDE	1	5	11	FOBS=	194.0	SIGMA=	4.0	PHAS=	52.7	FOM=	0.64
INDE	1	5	12	FOBS=	73.8	SIGMA=	11.8	PHAS=	121.7	FOM=	0.06
INDE	1	5	13	FOBS=	123.7	SIGMA=	7.8	PHAS=	330.4	FOM=	0.07
INDE	1	5	14	FOBS=	116.9	SIGMA=	7.1	PHAS=	216.4	FOM=	0.03
INDE	1	5	15	FOBS=	50.6	SIGMA=	14.9	PHAS=	124.3	FOM=	0.03
INDE	1	5	16	FOBS=	70.8	SIGMA=	11.9	PHAS=	148.6	FOM=	0.02
INDE	1	6	0	FOBS=	220.3	SIGMA=	1.2	PHAS=	129.1	FOM=	0.99
INDE	1	6	1	FOBS=	112.1	SIGMA=	1.8	PHAS=	107.9	FOM=	0.92
INDE	1	6	2	FOBS=	174.4	SIGMA=	1.5	PHAS=	267.4	FOM=	0.92
INDE	1	6	3	FOBS=	405.5	SIGMA=	0.9	PHAS=	125.0	FOM=	0.98
INDE	1	6	4	FOBS=	235.2	SIGMA=	1.5	PHAS=	220.1	FOM=	0.97
INDE	1	6	5	FOBS=	150.9	SIGMA=	2.7	PHAS=	200.5	FOM=	0.84
INDE	1	6	6	FOBS=	209.6	SIGMA=	2.5	PHAS=	252.0	FOM=	0.98
INDE	1	6	7	FOBS=	67.8	SIGMA=	7.8	PHAS=	134.3	FOM=	0.44
INDE	1	6	8	FOBS=	220.6	SIGMA=	2.5	PHAS=	26.9	FOM=	0.37
INDE	1	6	9	FOBS=	236.4	SIGMA=	2.6	PHAS=	202.1	FOM=	0.86
INDE	1	6	10	FOBS=	452.2	SIGMA=	1.7	PHAS=	136.7	FOM=	0.62
INDE	1	6	11	FOBS=	171.1	SIGMA=	4.7	PHAS=	94.3	FOM=	0.61
INDE	1	6	12	FOBS=	376.2	SIGMA=	2.3	PHAS=	125.9	FOM=	0.28
INDE	1	6	13	FOBS=	214.5	SIGMA=	4.2	PHAS=	320.0	FOM=	0.32
INDE	1	6	14	FOBS=	90.0	SIGMA=	10.7	PHAS=	195.3	FOM=	0.19
INDE	1	6	15	FOBS=	130.4	SIGMA=	6.3	PHAS=	90.0	FOM=	0.42
INDE	1	6	16	FOBS=	58.3	SIGMA=	32.8	PHAS=	333.4	FOM=	0.06
INDE	1	7	0	FOBS=	136.9	SIGMA=	1.7	PHAS=	36.3	FOM=	0.97
INDE	1	7	1	FOBS=	245.8	SIGMA=	1.2	PHAS=	331.1	FOM=	0.95
INDE	1	7	2	FOBS=	399.0	SIGMA=	1.2	PHAS=	143.2	FOM=	0.97
INDE	1	7	3	FOBS=	121.0	SIGMA=	2.5	PHAS=	270.7	FOM=	0.96
INDE	1	7	4	FOBS=	83.9	SIGMA=	4.5	PHAS=	255.3	FOM=	0.21
INDE	1	7	5	FOBS=	116.3	SIGMA=	3.9	PHAS=	258.3	FOM=	0.84
INDE	1	7	6	FOBS=	148.2	SIGMA=	2.9	PHAS=	351.7	FOM=	0.42
INDE	1	7	7	FOBS=	229.5	SIGMA=	2.4	PHAS=	258.1	FOM=	0.35
INDE	1	7	8	FOBS=	221.3	SIGMA=	2.7	PHAS=	105.6	FOM=	0.83
INDE	1	7	9	FOBS=	159.4	SIGMA=	4.2	PHAS=	225.9	FOM=	0.51
INDE	1	7	10	FOBS=	245.9	SIGMA=	2.8	PHAS=	95.5	FOM=	0.65
INDE	1	7	11	FOBS=	132.2	SIGMA=	5.9	PHAS=	108.3	FOM=	0.15
INDE	1	7	12	FOBS=	162.0	SIGMA=	5.4	PHAS=	236.3	FOM=	0.64
INDE	1	7	13	FOBS=	49.2	SIGMA=	15.7	PHAS=	76.9	FOM=	0.13
INDE	1	7	14	FOBS=	232.4	SIGMA=	4.1	PHAS=	151.2	FOM=	0.72
INDE	1	7	15	FOBS=	172.9	SIGMA=	5.0	PHAS=	333.0	FOM=	0.98
INDE	1	7	16	FOBS=	71.4	SIGMA=	12.2	PHAS=	124.0	FOM=	0.02
INDE	1	8	0	FOBS=	314.9	SIGMA=	1.2	PHAS=	115.6	FOM=	1.00
INDE	1	8	1	FOBS=	298.0	SIGMA=	1.2	PHAS=	142.7	FOM=	1.00
INDE	1	8	2	FOBS=	99.1	SIGMA=	2.4	PHAS=	332.5	FOM=	0.93
INDE	1	8	3	FOBS=	129.8	SIGMA=	2.5	PHAS=	95.1	FOM=	0.95
INDE	1	8	4	FOBS=	216.2	SIGMA=	1.7	PHAS=	231.0	FOM=	0.97
INDE	1	8	5	FOBS=	103.1	SIGMA=	3.9	PHAS=	194.4	FOM=	0.46
INDE	1	8	6	FOBS=	99.8	SIGMA=	4.5	PHAS=	140.4	FOM=	0.52
INDE	1	8	7	FOBS=	138.5	SIGMA=	3.7	PHAS=	303.5	FOM=	0.52
INDE	1	8	8	FOBS=	159.8	SIGMA=	3.4	PHAS=	345.1	FOM=	0.45

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INDE	1	8	9	FOBS=	144.0	SIGMA=	5.4	PHAS=	140.6	FOM=	0.16
INDE	1	8	10	FOBS=	276.9	SIGMA=	2.5	PHAS=	139.0	FOM=	0.04
INDE	1	8	11	FOBS=	66.3	SIGMA=	13.8	PHAS=	332.2	FOM=	0.10
INDE	1	8	12	FOBS=	222.6	SIGMA=	3.6	PHAS=	253.6	FOM=	0.08
INDE	1	8	13	FOBS=	71.0	SIGMA=	11.7	PHAS=	105.2	FOM=	0.16
INDE	1	8	14	FOBS=	232.5	SIGMA=	3.6	PHAS=	304.4	FOM=	0.53
INDE	1	8	15	FOBS=	92.4	SIGMA=	10.2	PHAS=	28.3	FOM=	0.02
INDE	1	8	16	FOBS=	108.3	SIGMA=	8.2	PHAS=	153.6	FOM=	0.17
INDE	1	9	0	FOBS=	183.9	SIGMA=	1.8	PHAS=	47.7	FOM=	0.92
INDE	1	9	1	FOBS=	34.7	SIGMA=	6.7	PHAS=	312.3	FOM=	0.52
INDE	1	9	2	FOBS=	110.4	SIGMA=	2.7	PHAS=	129.5	FOM=	0.70
INDE	1	9	3	FOBS=	283.2	SIGMA=	1.2	PHAS=	252.9	FOM=	0.94
INDE	1	9	4	FOBS=	125.8	SIGMA=	3.0	PHAS=	9.1	FOM=	0.92
INDE	1	9	5	FOBS=	162.1	SIGMA=	2.5	PHAS=	192.0	FOM=	0.86
INDE	1	9	6	FOBS=	71.4	SIGMA=	6.9	PHAS=	292.3	FOM=	0.18
INDE	1	9	7	FOBS=	65.6	SIGMA=	7.6	PHAS=	314.1	FOM=	0.39
INDE	1	9	8	FOBS=	117.7	SIGMA=	4.8	PHAS=	189.7	FOM=	0.85
INDE	1	9	9	FOBS=	408.4	SIGMA=	1.8	PHAS=	333.6	FOM=	0.96
INDE	1	9	10	FOBS=	146.0	SIGMA=	5.7	PHAS=	40.7	FOM=	0.05
INDE	1	9	11	FOBS=	211.0	SIGMA=	4.3	PHAS=	120.4	FOM=	0.44
INDE	1	9	12	FOBS=	240.3	SIGMA=	3.4	PHAS=	267.7	FOM=	0.42
INDE	1	9	13	FOBS=	49.7	SIGMA=	18.1	PHAS=	88.5	FOM=	0.08
INDE	1	9	14	FOBS=	83.1	SIGMA=	9.6	PHAS=	278.1	FOM=	0.08
INDE	1	9	15	FOBS=	62.4	SIGMA=	18.3	PHAS=	32.0	FOM=	0.03
INDE	1	10	0	FOBS=	72.8	SIGMA=	3.6	PHAS=	215.0	FOM=	0.40
INDE	1	10	1	FOBS=	262.4	SIGMA=	1.5	PHAS=	258.6	FOM=	0.86
INDE	1	10	2	FOBS=	126.7	SIGMA=	2.8	PHAS=	204.2	FOM=	0.89
INDE	1	10	3	FOBS=	176.3	SIGMA=	1.7	PHAS=	105.5	FOM=	0.97
INDE	1	10	4	FOBS=	128.1	SIGMA=	2.8	PHAS=	159.2	FOM=	0.92
INDE	1	10	5	FOBS=	143.8	SIGMA=	2.8	PHAS=	264.9	FOM=	0.41
INDE	1	10	6	FOBS=	162.8	SIGMA=	2.7	PHAS=	39.5	FOM=	0.93
INDE	1	10	7	FOBS=	173.1	SIGMA=	2.8	PHAS=	150.3	FOM=	0.90
INDE	1	10	8	FOBS=	288.4	SIGMA=	2.0	PHAS=	338.4	FOM=	0.78
INDE	1	10	9	FOBS=	285.9	SIGMA=	2.2	PHAS=	25.2	FOM=	0.06
INDE	1	10	10	FOBS=	240.9	SIGMA=	2.9	PHAS=	14.1	FOM=	0.25
INDE	1	10	11	FOBS=	251.4	SIGMA=	3.3	PHAS=	66.2	FOM=	0.24
INDE	1	10	12	FOBS=	219.8	SIGMA=	4.2	PHAS=	328.8	FOM=	0.28
INDE	1	10	13	FOBS=	180.2	SIGMA=	5.2	PHAS=	135.4	FOM=	0.09
INDE	1	10	14	FOBS=	123.6	SIGMA=	6.5	PHAS=	131.4	FOM=	0.10
INDE	1	10	15	FOBS=	129.6	SIGMA=	6.2	PHAS=	324.0	FOM=	0.06
INDE	1	11	0	FOBS=	131.9	SIGMA=	2.2	PHAS=	184.6	FOM=	0.98
INDE	1	11	1	FOBS=	185.8	SIGMA=	1.9	PHAS=	129.3	FOM=	0.79
INDE	1	11	2	FOBS=	106.2	SIGMA=	3.6	PHAS=	21.1	FOM=	0.60
INDE	1	11	3	FOBS=	59.4	SIGMA=	5.7	PHAS=	95.1	FOM=	0.67
INDE	1	11	4	FOBS=	144.9	SIGMA=	2.3	PHAS=	227.2	FOM=	1.00
INDE	1	11	5	FOBS=	207.5	SIGMA=	1.9	PHAS=	322.0	FOM=	0.98
INDE	1	11	6	FOBS=	252.0	SIGMA=	1.9	PHAS=	241.1	FOM=	0.93
INDE	1	11	7	FOBS=	353.7	SIGMA=	1.8	PHAS=	78.6	FOM=	0.94
INDE	1	11	8	FOBS=	379.0	SIGMA=	1.6	PHAS=	307.9	FOM=	0.96
INDE	1	11	9	FOBS=	67.4	SIGMA=	9.7	PHAS=	358.8	FOM=	0.39
INDE	1	11	10	FOBS=	409.2	SIGMA=	1.9	PHAS=	133.2	FOM=	0.90
INDE	1	11	11	FOBS=	381.8	SIGMA=	2.2	PHAS=	347.1	FOM=	0.87
INDE	1	11	12	FOBS=	148.1	SIGMA=	5.5	PHAS=	310.4	FOM=	0.28
INDE	1	11	13	FOBS=	192.4	SIGMA=	4.9	PHAS=	207.6	FOM=	0.73
INDE	1	11	14	FOBS=	99.8	SIGMA=	9.0	PHAS=	32.5	FOM=	0.18
INDE	1	11	15	FOBS=	174.2	SIGMA=	5.4	PHAS=	340.7	FOM=	0.27
INDE	1	12	0	FOBS=	85.2	SIGMA=	3.7	PHAS=	329.6	FOM=	0.17
INDE	1	12	1	FOBS=	88.1	SIGMA=	3.0	PHAS=	0.1	FOM=	1.00
INDE	1	12	2	FOBS=	76.7	SIGMA=	5.4	PHAS=	116.4	FOM=	0.84
INDE	1	12	3	FOBS=	129.5	SIGMA=	3.0	PHAS=	82.0	FOM=	0.28
INDE	1	12	4	FOBS=	83.1	SIGMA=	4.7	PHAS=	140.1	FOM=	0.74
INDE	1	12	5	FOBS=	309.5	SIGMA=	1.5	PHAS=	293.5	FOM=	0.99
INDE	1	12	6	FOBS=	261.0	SIGMA=	1.8	PHAS=	121.3	FOM=	0.66
INDE	1	12	7	FOBS=	491.7	SIGMA=	1.4	PHAS=	22.7	FOM=	0.90
INDE	1	12	8	FOBS=	264.2	SIGMA=	2.3	PHAS=	268.5	FOM=	0.98
INDE	1	12	9	FOBS=	172.7	SIGMA=	3.7	PHAS=	118.7	FOM=	0.83
INDE	1	12	10	FOBS=	299.1	SIGMA=	2.4	PHAS=	26.8	FOM=	0.79
INDE	1	12	11	FOBS=	156.2	SIGMA=	5.0	PHAS=	330.6	FOM=	0.80
INDE	1	12	12	FOBS=	115.1	SIGMA=	6.7	PHAS=	56.8	FOM=	0.49
INDE	1	12	13	FOBS=	74.8	SIGMA=	10.3	PHAS=	70.1	FOM=	0.23
INDE	1	12	14	FOBS=	86.1	SIGMA=	9.3	PHAS=	245.9	FOM=	0.57

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INDE	1	12	15	FOBS=	59.1	SIGMA=	15.0	PHAS=	98.4	FOM=	0.04
INDE	1	13	0	FOBS=	96.8	SIGMA=	3.0	PHAS=	143.3	FOM=	1.00
INDE	1	13	1	FOBS=	94.9	SIGMA=	4.4	PHAS=	34.8	FOM=	0.92
INDE	1	13	2	FOBS=	142.1	SIGMA=	2.2	PHAS=	319.8	FOM=	0.85
INDE	1	13	3	FOBS=	179.7	SIGMA=	2.3	PHAS=	125.2	FOM=	1.00
INDE	1	13	4	FOBS=	110.1	SIGMA=	4.0	PHAS=	47.1	FOM=	0.90
INDE	1	13	5	FOBS=	108.6	SIGMA=	3.9	PHAS=	228.9	FOM=	0.91
INDE	1	13	6	FOBS=	166.8	SIGMA=	2.7	PHAS=	18.8	FOM=	0.85
INDE	1	13	7	FOBS=	173.8	SIGMA=	2.9	PHAS=	345.5	FOM=	0.56
INDE	1	13	8	FOBS=	201.4	SIGMA=	3.1	PHAS=	244.1	FOM=	0.73
INDE	1	13	9	FOBS=	206.5	SIGMA=	3.0	PHAS=	112.3	FOM=	0.91
INDE	1	13	10	FOBS=	118.4	SIGMA=	5.9	PHAS=	320.0	FOM=	0.53
INDE	1	13	11	FOBS=	81.0	SIGMA=	9.1	PHAS=	196.6	FOM=	0.07
INDE	1	13	12	FOBS=	121.6	SIGMA=	6.5	PHAS=	35.2	FOM=	0.65
INDE	1	13	13	FOBS=	153.4	SIGMA=	5.2	PHAS=	259.6	FOM=	0.49
INDE	1	13	14	FOBS=	74.3	SIGMA=	11.1	PHAS=	95.5	FOM=	0.03
INDE	1	13	15	FOBS=	830.0	SIGMA=	678.6	PHAS=	72.5	FOM=	0.00
INDE	1	14	0	FOBS=	185.9	SIGMA=	1.7	PHAS=	162.0	FOM=	0.96
INDE	1	14	1	FOBS=	177.8	SIGMA=	2.1	PHAS=	14.7	FOM=	0.87
INDE	1	14	2	FOBS=	159.8	SIGMA=	2.1	PHAS=	105.3	FOM=	0.56
INDE	1	14	3	FOBS=	180.9	SIGMA=	2.1	PHAS=	310.8	FOM=	0.88
INDE	1	14	4	FOBS=	55.8	SIGMA=	7.4	PHAS=	195.3	FOM=	0.44
INDE	1	14	5	FOBS=	157.4	SIGMA=	2.8	PHAS=	288.2	FOM=	0.90
INDE	1	14	6	FOBS=	134.3	SIGMA=	3.5	PHAS=	358.7	FOM=	1.00
INDE	1	14	7	FOBS=	241.4	SIGMA=	2.2	PHAS=	9.2	FOM=	0.96
INDE	1	14	8	FOBS=	132.1	SIGMA=	4.5	PHAS=	121.5	FOM=	0.24
INDE	1	14	9	FOBS=	286.1	SIGMA=	2.3	PHAS=	324.7	FOM=	0.95
INDE	1	14	10	FOBS=	331.9	SIGMA=	2.2	PHAS=	32.3	FOM=	0.89
INDE	1	14	11	FOBS=	128.1	SIGMA=	5.6	PHAS=	3.6	FOM=	0.01
INDE	1	14	12	FOBS=	197.5	SIGMA=	3.9	PHAS=	125.0	FOM=	0.55
INDE	1	14	13	FOBS=	51.4	SIGMA=	16.1	PHAS=	347.3	FOM=	0.08
INDE	1	14	14	FOBS=	70.6	SIGMA=	10.5	PHAS=	268.6	FOM=	0.05
INDE	1	14	15	FOBS=	58.7	SIGMA=	22.9	PHAS=	124.8	FOM=	0.09
INDE	1	15	0	FOBS=	23.4	SIGMA=	12.1	PHAS=	244.0	FOM=	0.14
INDE	1	15	1	FOBS=	161.4	SIGMA=	2.1	PHAS=	58.4	FOM=	0.77
INDE	1	15	2	FOBS=	203.3	SIGMA=	1.8	PHAS=	344.0	FOM=	0.96
INDE	1	15	3	FOBS=	164.6	SIGMA=	2.3	PHAS=	75.8	FOM=	0.81
INDE	1	15	4	FOBS=	40.3	SIGMA=	9.6	PHAS=	42.2	FOM=	0.13
INDE	1	15	5	FOBS=	402.2	SIGMA=	1.5	PHAS=	170.2	FOM=	0.97
INDE	1	15	6	FOBS=	163.4	SIGMA=	3.1	PHAS=	219.4	FOM=	0.11
INDE	1	15	7	FOBS=	53.9	SIGMA=	12.1	PHAS=	99.9	FOM=	0.21
INDE	1	15	8	FOBS=	53.3	SIGMA=	13.0	PHAS=	273.5	FOM=	0.28
INDE	1	15	9	FOBS=	133.2	SIGMA=	5.4	PHAS=	115.5	FOM=	0.27
INDE	1	15	10	FOBS=	123.8	SIGMA=	5.7	PHAS=	252.7	FOM=	0.03
INDE	1	15	11	FOBS=	84.2	SIGMA=	8.2	PHAS=	217.6	FOM=	0.03
INDE	1	15	12	FOBS=	179.4	SIGMA=	4.2	PHAS=	78.1	FOM=	0.10
INDE	1	15	13	FOBS=	38.9	SIGMA=	15.7	PHAS=	286.4	FOM=	0.16
INDE	1	15	14	FOBS=	112.6	SIGMA=	6.5	PHAS=	176.9	FOM=	0.33
INDE	1	16	0	FOBS=	336.0	SIGMA=	1.2	PHAS=	320.8	FOM=	0.94
INDE	1	16	1	FOBS=	210.3	SIGMA=	1.7	PHAS=	52.5	FOM=	0.97
INDE	1	16	2	FOBS=	123.8	SIGMA=	3.1	PHAS=	84.5	FOM=	0.95
INDE	1	16	3	FOBS=	144.4	SIGMA=	2.5	PHAS=	248.3	FOM=	0.92
INDE	1	16	4	FOBS=	155.3	SIGMA=	2.7	PHAS=	92.5	FOM=	0.80
INDE	1	16	5	FOBS=	153.3	SIGMA=	3.1	PHAS=	234.6	FOM=	0.91
INDE	1	16	6	FOBS=	248.2	SIGMA=	2.3	PHAS=	49.1	FOM=	0.94
INDE	1	16	7	FOBS=	45.2	SIGMA=	12.4	PHAS=	167.2	FOM=	0.21
INDE	1	16	8	FOBS=	197.1	SIGMA=	2.9	PHAS=	230.4	FOM=	0.04
INDE	1	16	9	FOBS=	237.1	SIGMA=	3.0	PHAS=	322.4	FOM=	0.52
INDE	1	16	10	FOBS=	134.6	SIGMA=	5.1	PHAS=	234.1	FOM=	0.86
INDE	1	16	11	FOBS=	271.5	SIGMA=	2.5	PHAS=	104.8	FOM=	0.90
INDE	1	16	12	FOBS=	225.4	SIGMA=	3.2	PHAS=	65.0	FOM=	0.19
INDE	1	16	13	FOBS=	38.4	SIGMA=	16.8	PHAS=	106.3	FOM=	0.24
INDE	1	16	14	FOBS=	43.2	SIGMA=	18.9	PHAS=	302.7	FOM=	0.09
INDE	1	17	0	FOBS=	84.3	SIGMA=	4.0	PHAS=	181.6	FOM=	0.54
INDE	1	17	1	FOBS=	335.5	SIGMA=	1.3	PHAS=	129.3	FOM=	0.91
INDE	1	17	2	FOBS=	440.8	SIGMA=	1.3	PHAS=	333.8	FOM=	0.99
INDE	1	17	3	FOBS=	536.3	SIGMA=	1.0	PHAS=	140.6	FOM=	0.98
INDE	1	17	4	FOBS=	251.0	SIGMA=	1.8	PHAS=	329.4	FOM=	0.44
INDE	1	17	5	FOBS=	246.3	SIGMA=	2.0	PHAS=	87.9	FOM=	0.85
INDE	1	17	6	FOBS=	111.9	SIGMA=	4.7	PHAS=	177.3	FOM=	0.39
INDE	1	17	7	FOBS=	136.6	SIGMA=	4.4	PHAS=	75.7	FOM=	0.33

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INDE	1	17	8	FOBS=	74.3	SIGMA=	8.0	PHAS=	29.2	FOM=	0.02
INDE	1	17	9	FOBS=	272.7	SIGMA=	2.4	PHAS=	132.6	FOM=	0.05
INDE	1	17	10	FOBS=	216.5	SIGMA=	3.1	PHAS=	203.8	FOM=	0.23
INDE	1	17	11	FOBS=	76.6	SIGMA=	8.8	PHAS=	177.5	FOM=	0.03
INDE	1	17	12	FOBS=	146.3	SIGMA=	4.8	PHAS=	106.6	FOM=	0.42
INDE	1	17	13	FOBS=	89.5	SIGMA=	7.9	PHAS=	266.3	FOM=	0.03
INDE	1	17	14	FOBS=	77.4	SIGMA=	9.3	PHAS=	144.7	FOM=	0.08
INDE	1	18	0	FOBS=	123.0	SIGMA=	2.8	PHAS=	163.7	FOM=	0.93
INDE	1	18	1	FOBS=	330.9	SIGMA=	1.3	PHAS=	71.4	FOM=	0.99
INDE	1	18	2	FOBS=	548.6	SIGMA=	1.1	PHAS=	221.4	FOM=	1.00
INDE	1	18	3	FOBS=	118.4	SIGMA=	3.4	PHAS=	59.7	FOM=	0.59
INDE	1	18	4	FOBS=	232.2	SIGMA=	1.9	PHAS=	242.0	FOM=	0.94
INDE	1	18	5	FOBS=	395.6	SIGMA=	1.4	PHAS=	271.1	FOM=	0.91
INDE	1	18	6	FOBS=	383.4	SIGMA=	1.5	PHAS=	169.9	FOM=	0.91
INDE	1	18	7	FOBS=	395.7	SIGMA=	1.8	PHAS=	223.0	FOM=	0.71
INDE	1	18	8	FOBS=	116.7	SIGMA=	5.6	PHAS=	348.5	FOM=	0.14
INDE	1	18	9	FOBS=	263.7	SIGMA=	2.4	PHAS=	323.6	FOM=	0.42
INDE	1	18	10	FOBS=	80.0	SIGMA=	8.9	PHAS=	160.1	FOM=	0.13
INDE	1	18	11	FOBS=	81.5	SIGMA=	8.5	PHAS=	39.5	FOM=	0.27
INDE	1	18	12	FOBS=	108.8	SIGMA=	6.2	PHAS=	302.0	FOM=	0.22
INDE	1	18	13	FOBS=	72.4	SIGMA=	9.3	PHAS=	207.6	FOM=	0.06
INDE	1	19	0	FOBS=	359.9	SIGMA=	1.2	PHAS=	99.0	FOM=	0.76
INDE	1	19	1	FOBS=	140.4	SIGMA=	2.9	PHAS=	138.4	FOM=	0.26
INDE	1	19	2	FOBS=	294.7	SIGMA=	1.5	PHAS=	227.2	FOM=	0.67
INDE	1	19	3	FOBS=	322.1	SIGMA=	1.5	PHAS=	138.3	FOM=	0.90
INDE	1	19	4	FOBS=	137.7	SIGMA=	3.3	PHAS=	327.8	FOM=	0.80
INDE	1	19	5	FOBS=	219.9	SIGMA=	2.2	PHAS=	92.0	FOM=	0.95
INDE	1	19	6	FOBS=	237.7	SIGMA=	2.2	PHAS=	304.1	FOM=	0.38
INDE	1	19	7	FOBS=	185.7	SIGMA=	2.9	PHAS=	183.8	FOM=	0.97
INDE	1	19	8	FOBS=	117.4	SIGMA=	5.9	PHAS=	171.2	FOM=	0.75
INDE	1	19	9	FOBS=	282.0	SIGMA=	2.5	PHAS=	38.6	FOM=	0.05
INDE	1	19	10	FOBS=	105.9	SIGMA=	6.4	PHAS=	5.3	FOM=	0.63
INDE	1	19	11	FOBS=	141.8	SIGMA=	4.7	PHAS=	160.2	FOM=	0.74
INDE	1	19	12	FOBS=	93.3	SIGMA=	7.0	PHAS=	127.0	FOM=	0.22
INDE	1	19	13	FOBS=	105.4	SIGMA=	6.3	PHAS=	33.1	FOM=	0.02
INDE	1	20	0	FOBS=	115.1	SIGMA=	3.5	PHAS=	316.9	FOM=	0.91
INDE	1	20	1	FOBS=	439.2	SIGMA=	1.3	PHAS=	167.5	FOM=	0.98
INDE	1	20	2	FOBS=	268.3	SIGMA=	1.7	PHAS=	324.0	FOM=	0.98
INDE	1	20	3	FOBS=	95.8	SIGMA=	4.2	PHAS=	355.1	FOM=	0.06
INDE	1	20	4	FOBS=	152.4	SIGMA=	2.8	PHAS=	334.9	FOM=	0.79
INDE	1	20	5	FOBS=	336.0	SIGMA=	1.6	PHAS=	254.7	FOM=	0.34
INDE	1	20	6	FOBS=	94.5	SIGMA=	5.5	PHAS=	97.1	FOM=	0.13
INDE	1	20	7	FOBS=	125.4	SIGMA=	4.6	PHAS=	254.8	FOM=	0.17
INDE	1	20	8	FOBS=	128.6	SIGMA=	4.7	PHAS=	293.9	FOM=	0.78
INDE	1	20	9	FOBS=	174.8	SIGMA=	3.9	PHAS=	151.4	FOM=	0.74
INDE	1	20	10	FOBS=	57.2	SIGMA=	11.3	PHAS=	54.7	FOM=	0.09
INDE	1	20	11	FOBS=	189.9	SIGMA=	3.8	PHAS=	318.5	FOM=	0.46
INDE	1	20	12	FOBS=	89.0	SIGMA=	7.2	PHAS=	97.1	FOM=	0.10
INDE	1	20	13	FOBS=	63.1	SIGMA=	10.8	PHAS=	82.9	FOM=	0.05
INDE	1	21	0	FOBS=	420.3	SIGMA=	1.2	PHAS=	204.8	FOM=	0.99
INDE	1	21	1	FOBS=	204.3	SIGMA=	2.0	PHAS=	309.9	FOM=	0.92
INDE	1	21	2	FOBS=	398.4	SIGMA=	1.3	PHAS=	67.2	FOM=	0.93
INDE	1	21	3	FOBS=	198.7	SIGMA=	2.5	PHAS=	187.8	FOM=	0.89
INDE	1	21	4	FOBS=	134.3	SIGMA=	3.4	PHAS=	74.5	FOM=	0.47
INDE	1	21	5	FOBS=	274.1	SIGMA=	1.9	PHAS=	234.2	FOM=	0.82
INDE	1	21	6	FOBS=	180.0	SIGMA=	3.1	PHAS=	114.9	FOM=	0.18
INDE	1	21	7	FOBS=	325.7	SIGMA=	1.9	PHAS=	216.4	FOM=	0.64
INDE	1	21	8	FOBS=	246.8	SIGMA=	2.4	PHAS=	297.0	FOM=	0.82
INDE	1	21	9	FOBS=	178.7	SIGMA=	3.4	PHAS=	5.4	FOM=	0.60
INDE	1	21	10	FOBS=	143.6	SIGMA=	4.8	PHAS=	163.6	FOM=	0.47
INDE	1	21	11	FOBS=	53.3	SIGMA=	13.5	PHAS=	257.3	FOM=	0.24
INDE	1	21	12	FOBS=	123.1	SIGMA=	5.4	PHAS=	42.0	FOM=	0.53
INDE	1	22	0	FOBS=	135.1	SIGMA=	3.0	PHAS=	156.1	FOM=	0.37
INDE	1	22	1	FOBS=	223.7	SIGMA=	1.9	PHAS=	342.8	FOM=	0.21
INDE	1	22	2	FOBS=	368.4	SIGMA=	1.4	PHAS=	179.4	FOM=	0.96
INDE	1	22	3	FOBS=	286.1	SIGMA=	1.9	PHAS=	214.5	FOM=	0.67
INDE	1	22	4	FOBS=	71.8	SIGMA=	6.3	PHAS=	138.2	FOM=	0.11
INDE	1	22	5	FOBS=	122.0	SIGMA=	4.2	PHAS=	162.9	FOM=	0.72
INDE	1	22	6	FOBS=	123.0	SIGMA=	4.6	PHAS=	221.7	FOM=	0.68
INDE	1	22	7	FOBS=	304.9	SIGMA=	2.0	PHAS=	50.5	FOM=	0.86
INDE	1	22	8	FOBS=	186.0	SIGMA=	3.1	PHAS=	259.7	FOM=	0.10

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INDE	1	22	9	FOBS=	127.7	SIGMA=	4.7	PHAS=	350.1	FOM=	0.35
INDE	1	22	10	FOBS=	112.9	SIGMA=	5.4	PHAS=	138.8	FOM=	0.44
INDE	1	22	11	FOBS=	173.0	SIGMA=	4.3	PHAS=	17.5	FOM=	0.73
INDE	1	22	12	FOBS=	87.4	SIGMA=	7.2	PHAS=	80.2	FOM=	0.19
INDE	1	23	0	FOBS=	176.0	SIGMA=	2.3	PHAS=	150.2	FOM=	0.47
INDE	1	23	1	FOBS=	252.0	SIGMA=	1.8	PHAS=	315.5	FOM=	0.97
INDE	1	23	2	FOBS=	369.2	SIGMA=	1.5	PHAS=	128.9	FOM=	0.88
INDE	1	23	3	FOBS=	236.7	SIGMA=	2.1	PHAS=	38.9	FOM=	0.93
INDE	1	23	4	FOBS=	222.4	SIGMA=	2.2	PHAS=	174.7	FOM=	0.95
INDE	1	23	5	FOBS=	210.7	SIGMA=	2.4	PHAS=	132.8	FOM=	0.09
INDE	1	23	6	FOBS=	343.0	SIGMA=	1.7	PHAS=	243.2	FOM=	0.27
INDE	1	23	7	FOBS=	228.1	SIGMA=	2.5	PHAS=	151.3	FOM=	0.30
INDE	1	23	8	FOBS=	62.1	SIGMA=	9.5	PHAS=	255.5	FOM=	0.23
INDE	1	23	9	FOBS=	77.7	SIGMA=	7.2	PHAS=	130.6	FOM=	0.28
INDE	1	23	10	FOBS=	42.7	SIGMA=	13.5	PHAS=	306.0	FOM=	0.16
INDE	1	23	11	FOBS=	109.4	SIGMA=	5.4	PHAS=	245.4	FOM=	0.07
INDE	1	23	12	FOBS=	150.7	SIGMA=	15.2	PHAS=	95.7	FOM=	0.03
INDE	1	24	0	FOBS=	193.5	SIGMA=	2.3	PHAS=	185.3	FOM=	0.26
INDE	1	24	1	FOBS=	459.8	SIGMA=	1.3	PHAS=	327.7	FOM=	0.84
INDE	1	24	2	FOBS=	172.6	SIGMA=	2.6	PHAS=	324.0	FOM=	0.94
INDE	1	24	3	FOBS=	300.8	SIGMA=	1.8	PHAS=	297.7	FOM=	0.99
INDE	1	24	4	FOBS=	166.5	SIGMA=	3.1	PHAS=	357.6	FOM=	0.69
INDE	1	24	5	FOBS=	63.7	SIGMA=	10.0	PHAS=	167.7	FOM=	0.16
INDE	1	24	6	FOBS=	190.3	SIGMA=	2.6	PHAS=	124.7	FOM=	0.38
INDE	1	24	7	FOBS=	180.5	SIGMA=	3.2	PHAS=	222.7	FOM=	0.96
INDE	1	24	8	FOBS=	54.0	SIGMA=	11.6	PHAS=	76.4	FOM=	0.20
INDE	1	24	9	FOBS=	98.2	SIGMA=	5.8	PHAS=	20.3	FOM=	0.44
INDE	1	24	10	FOBS=	67.2	SIGMA=	8.9	PHAS=	135.5	FOM=	0.13
INDE	1	24	11	FOBS=	111.1	SIGMA=	5.2	PHAS=	262.1	FOM=	0.06
INDE	1	25	0	FOBS=	264.8	SIGMA=	1.8	PHAS=	222.1	FOM=	0.96
INDE	1	25	1	FOBS=	203.3	SIGMA=	2.2	PHAS=	164.5	FOM=	0.92
INDE	1	25	2	FOBS=	125.0	SIGMA=	4.1	PHAS=	248.2	FOM=	0.90
INDE	1	25	3	FOBS=	88.8	SIGMA=	5.1	PHAS=	106.4	FOM=	0.46
INDE	1	25	4	FOBS=	415.6	SIGMA=	1.6	PHAS=	244.1	FOM=	0.91
INDE	1	25	5	FOBS=	244.9	SIGMA=	2.2	PHAS=	356.0	FOM=	0.94
INDE	1	25	6	FOBS=	198.3	SIGMA=	2.6	PHAS=	216.1	FOM=	0.92
INDE	1	25	7	FOBS=	131.1	SIGMA=	4.1	PHAS=	175.3	FOM=	0.08
INDE	1	25	8	FOBS=	51.1	SIGMA=	11.3	PHAS=	326.2	FOM=	0.17
INDE	1	25	9	FOBS=	175.3	SIGMA=	3.3	PHAS=	156.6	FOM=	0.31
INDE	1	25	10	FOBS=	140.3	SIGMA=	4.1	PHAS=	274.6	FOM=	0.41
INDE	1	25	11	FOBS=	104.9	SIGMA=	26.9	PHAS=	126.3	FOM=	0.01
INDE	1	26	0	FOBS=	106.8	SIGMA=	4.1	PHAS=	43.2	FOM=	0.19
INDE	1	26	1	FOBS=	410.9	SIGMA=	1.4	PHAS=	81.6	FOM=	0.99
INDE	1	26	2	FOBS=	168.3	SIGMA=	3.0	PHAS=	231.3	FOM=	0.99
INDE	1	26	3	FOBS=	75.8	SIGMA=	5.7	PHAS=	1.1	FOM=	0.38
INDE	1	26	4	FOBS=	101.6	SIGMA=	5.3	PHAS=	274.7	FOM=	0.36
INDE	1	26	5	FOBS=	129.6	SIGMA=	4.0	PHAS=	251.3	FOM=	0.81
INDE	1	26	6	FOBS=	108.3	SIGMA=	4.8	PHAS=	154.7	FOM=	0.84
INDE	1	26	7	FOBS=	128.5	SIGMA=	4.0	PHAS=	63.4	FOM=	0.53
INDE	1	26	8	FOBS=	54.4	SIGMA=	9.5	PHAS=	51.2	FOM=	0.26
INDE	1	26	9	FOBS=	126.7	SIGMA=	4.4	PHAS=	310.2	FOM=	0.24
INDE	1	26	10	FOBS=	69.4	SIGMA=	8.3	PHAS=	291.0	FOM=	0.13
INDE	1	27	0	FOBS=	163.4	SIGMA=	2.5	PHAS=	197.6	FOM=	0.92
INDE	1	27	1	FOBS=	253.9	SIGMA=	1.9	PHAS=	268.2	FOM=	0.94
INDE	1	27	2	FOBS=	140.9	SIGMA=	3.4	PHAS=	97.4	FOM=	0.33
INDE	1	27	3	FOBS=	177.2	SIGMA=	2.7	PHAS=	338.3	FOM=	0.74
INDE	1	27	4	FOBS=	158.2	SIGMA=	2.9	PHAS=	48.3	FOM=	0.67
INDE	1	27	5	FOBS=	122.7	SIGMA=	4.4	PHAS=	250.9	FOM=	0.18
INDE	1	27	6	FOBS=	128.0	SIGMA=	4.0	PHAS=	249.2	FOM=	0.64
INDE	1	27	7	FOBS=	91.4	SIGMA=	5.5	PHAS=	85.5	FOM=	0.57
INDE	1	27	8	FOBS=	59.0	SIGMA=	8.9	PHAS=	248.4	FOM=	0.04
INDE	1	27	9	FOBS=	98.0	SIGMA=	5.5	PHAS=	210.2	FOM=	0.53
INDE	1	28	0	FOBS=	155.7	SIGMA=	2.7	PHAS=	99.8	FOM=	0.84
INDE	1	28	1	FOBS=	287.8	SIGMA=	1.8	PHAS=	147.3	FOM=	0.96
INDE	1	28	2	FOBS=	292.9	SIGMA=	1.8	PHAS=	198.6	FOM=	0.93
INDE	1	28	3	FOBS=	108.0	SIGMA=	4.3	PHAS=	115.8	FOM=	0.79
INDE	1	28	4	FOBS=	164.4	SIGMA=	2.8	PHAS=	122.2	FOM=	0.57
INDE	1	28	5	FOBS=	255.9	SIGMA=	2.3	PHAS=	349.4	FOM=	0.71
INDE	1	28	6	FOBS=	62.1	SIGMA=	8.3	PHAS=	64.0	FOM=	0.43
INDE	1	28	7	FOBS=	53.0	SIGMA=	10.4	PHAS=	329.1	FOM=	0.24
INDE	1	28	8	FOBS=	82.0	SIGMA=	5.9	PHAS=	229.4	FOM=	0.37

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INDE	1	28	9	FOBS=	55.2	SIGMA=	24.6	PHAS=	13.8	FOM=	0.07
INDE	1	29	0	FOBS=	73.5	SIGMA=	5.5	PHAS=	177.0	FOM=	0.06
INDE	1	29	1	FOBS=	273.6	SIGMA=	1.8	PHAS=	263.8	FOM=	0.65
INDE	1	29	2	FOBS=	83.7	SIGMA=	5.2	PHAS=	145.3	FOM=	0.17
INDE	1	29	3	FOBS=	93.2	SIGMA=	4.8	PHAS=	326.1	FOM=	0.36
INDE	1	29	4	FOBS=	143.8	SIGMA=	3.2	PHAS=	42.5	FOM=	0.80
INDE	1	29	5	FOBS=	57.0	SIGMA=	9.3	PHAS=	4.6	FOM=	0.23
INDE	1	29	6	FOBS=	36.6	SIGMA=	12.9	PHAS=	209.0	FOM=	0.06
INDE	1	29	7	FOBS=	76.8	SIGMA=	6.3	PHAS=	194.9	FOM=	0.40
INDE	1	29	8	FOBS=	93.3	SIGMA=	6.6	PHAS=	54.5	FOM=	0.35
INDE	1	30	0	FOBS=	76.6	SIGMA=	5.2	PHAS=	238.2	FOM=	0.12
INDE	1	30	1	FOBS=	125.2	SIGMA=	3.5	PHAS=	319.8	FOM=	0.42
INDE	1	30	2	FOBS=	153.1	SIGMA=	2.9	PHAS=	228.6	FOM=	0.38
INDE	1	30	3	FOBS=	185.8	SIGMA=	2.4	PHAS=	210.0	FOM=	0.18
INDE	1	30	4	FOBS=	132.0	SIGMA=	3.5	PHAS=	312.7	FOM=	0.68
INDE	1	30	5	FOBS=	59.2	SIGMA=	7.4	PHAS=	15.3	FOM=	0.04
INDE	1	30	6	FOBS=	125.8	SIGMA=	4.5	PHAS=	114.4	FOM=	0.17
INDE	1	30	7	FOBS=	148.5	SIGMA=	4.3	PHAS=	31.3	FOM=	0.62
INDE	1	31	0	FOBS=	226.7	SIGMA=	2.2	PHAS=	326.7	FOM=	0.97
INDE	1	31	1	FOBS=	186.5	SIGMA=	2.3	PHAS=	26.6	FOM=	0.55
INDE	1	31	2	FOBS=	46.1	SIGMA=	10.7	PHAS=	143.2	FOM=	0.93
INDE	1	31	3	FOBS=	119.4	SIGMA=	3.7	PHAS=	252.0	FOM=	0.88
INDE	1	31	4	FOBS=	57.9	SIGMA=	7.9	PHAS=	143.1	FOM=	0.23
INDE	1	31	5	FOBS=	106.2	SIGMA=	4.2	PHAS=	188.0	FOM=	0.11
INDE	1	31	6	FOBS=	145.4	SIGMA=	6.0	PHAS=	126.0	FOM=	0.16
INDE	1	32	0	FOBS=	67.5	SIGMA=	6.6	PHAS=	167.2	FOM=	0.16
INDE	1	32	2	FOBS=	170.1	SIGMA=	2.5	PHAS=	340.3	FOM=	0.48
INDE	1	32	4	FOBS=	129.5	SIGMA=	3.4	PHAS=	68.2	FOM=	0.69
INDE	1	32	4	FOBS=	115.1	SIGMA=	3.9	PHAS=	192.5	FOM=	0.84
INDE	1	33	0	FOBS=	135.5	SIGMA=	3.5	PHAS=	101.2	FOM=	0.28
INDE	1	33	1	FOBS=	93.1	SIGMA=	4.5	PHAS=	40.0	FOM=	0.06
INDE	1	33	2	FOBS=	91.0	SIGMA=	4.9	PHAS=	21.8	FOM=	0.49
INDE	2	33	1	FOBS=	27.9	SIGMA=	9.2	PHAS=	0.0	FOM=	0.28
INDE	2	0	2	FOBS=	199.2	SIGMA=	1.7	PHAS=	0.0	FOM=	0.33
INDE	2	0	3	FOBS=	435.4	SIGMA=	1.2	PHAS=	0.0	FOM=	1.00
INDE	2	0	4	FOBS=	466.8	SIGMA=	1.3	PHAS=	180.0	FOM=	1.00
INDE	2	0	5	FOBS=	89.1	SIGMA=	6.9	PHAS=	0.0	FOM=	0.02
INDE	2	0	6	FOBS=	550.5	SIGMA=	1.5	PHAS=	180.0	FOM=	0.99
INDE	2	0	7	FOBS=	238.7	SIGMA=	3.2	PHAS=	0.0	FOM=	0.73
INDE	2	0	8	FOBS=	127.4	SIGMA=	6.7	PHAS=	180.0	FOM=	0.17
INDE	2	0	9	FOBS=	184.8	SIGMA=	4.9	PHAS=	0.0	FOM=	0.03
INDE	2	0	10	FOBS=	142.7	SIGMA=	10.2	PHAS=	180.0	FOM=	0.58
INDE	2	0	11	FOBS=	85.7	SIGMA=	18.8	PHAS=	0.0	FOM=	0.01
INDE	2	0	12	FOBS=	107.0	SIGMA=	11.5	PHAS=	0.0	FOM=	0.02
INDE	2	0	13	FOBS=	307.2	SIGMA=	4.1	PHAS=	180.0	FOM=	1.00
INDE	2	0	14	FOBS=	148.6	SIGMA=	8.6	PHAS=	0.0	FOM=	0.09
INDE	2	0	15	FOBS=	35.7	SIGMA=	44.9	PHAS=	0.0	FOM=	0.27
INDE	2	1	1	FOBS=	60.2	SIGMA=	3.0	PHAS=	101.7	FOM=	0.55
INDE	2	1	2	FOBS=	96.7	SIGMA=	2.6	PHAS=	325.3	FOM=	0.98
INDE	2	1	3	FOBS=	593.3	SIGMA=	0.8	PHAS=	157.2	FOM=	0.92
INDE	2	1	4	FOBS=	349.6	SIGMA=	1.2	PHAS=	83.1	FOM=	0.97
INDE	2	1	5	FOBS=	403.0	SIGMA=	1.2	PHAS=	251.3	FOM=	0.75
INDE	2	1	6	FOBS=	150.6	SIGMA=	3.4	PHAS=	184.3	FOM=	0.90
INDE	2	1	7	FOBS=	145.4	SIGMA=	4.0	PHAS=	11.3	FOM=	0.93
INDE	2	1	8	FOBS=	240.9	SIGMA=	2.4	PHAS=	233.9	FOM=	0.97
INDE	2	1	9	FOBS=	315.4	SIGMA=	2.2	PHAS=	181.9	FOM=	0.97
INDE	2	1	10	FOBS=	235.6	SIGMA=	3.7	PHAS=	27.8	FOM=	0.49
INDE	2	1	11	FOBS=	167.5	SIGMA=	5.7	PHAS=	261.9	FOM=	0.74
INDE	2	1	12	FOBS=	156.5	SIGMA=	6.3	PHAS=	55.5	FOM=	0.62
INDE	2	1	13	FOBS=	321.4	SIGMA=	2.7	PHAS=	319.5	FOM=	0.70
INDE	2	1	14	FOBS=	203.5	SIGMA=	4.4	PHAS=	1.7	FOM=	0.35
INDE	2	1	15	FOBS=	49.5	SIGMA=	49.9	PHAS=	103.6	FOM=	0.17
INDE	2	1	16	FOBS=	121.4	SIGMA=	7.0	PHAS=	161.9	FOM=	0.18
INDE	2	2	1	FOBS=	274.5	SIGMA=	1.0	PHAS=	303.8	FOM=	0.86
INDE	2	2	2	FOBS=	200.8	SIGMA=	1.3	PHAS=	101.6	FOM=	0.95
INDE	2	2	3	FOBS=	134.1	SIGMA=	2.6	PHAS=	35.1	FOM=	0.11
INDE	2	2	4	FOBS=	259.9	SIGMA=	1.5	PHAS=	295.2	FOM=	0.98
INDE	2	2	5	FOBS=	126.2	SIGMA=	3.6	PHAS=	298.7	FOM=	0.93
INDE	2	2	6	FOBS=	209.6	SIGMA=	2.2	PHAS=	302.9	FOM=	0.85
INDE	2	2	7	FOBS=	172.6	SIGMA=	3.0	PHAS=	251.9	FOM=	0.86
INDE	2	2	8	FOBS=	195.6	SIGMA=	3.2	PHAS=	277.2	FOM=	0.91

Fig. 10A-92

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INDE	2	2	9	FOBS=	255.3	SIGMA=	2.9	PHAS=	57.4	FOM=	0.76
INDE	2	2	10	FOBS=	243.1	SIGMA=	3.0	PHAS=	53.4	FOM=	0.08
INDE	2	2	11	FOBS=	155.0	SIGMA=	5.5	PHAS=	191.4	FOM=	0.26
INDE	2	2	12	FOBS=	108.9	SIGMA=	9.2	PHAS=	16.9	FOM=	0.14
INDE	2	2	13	FOBS=	109.7	SIGMA=	8.0	PHAS=	149.2	FOM=	0.15
INDE	2	2	14	FOBS=	139.9	SIGMA=	6.3	PHAS=	50.5	FOM=	0.28
INDE	2	2	15	FOBS=	150.9	SIGMA=	5.9	PHAS=	199.7	FOM=	0.18
INDE	2	2	16	FOBS=	128.8	SIGMA=	6.6	PHAS=	164.2	FOM=	0.05
INDE	2	3	0	FOBS=	247.2	SIGMA=	1.0	PHAS=	349.9	FOM=	0.79
INDE	2	3	1	FOBS=	215.2	SIGMA=	1.0	PHAS=	293.6	FOM=	1.00
INDE	2	3	2	FOBS=	312.3	SIGMA=	0.9	PHAS=	159.3	FOM=	1.00
INDE	2	3	3	FOBS=	367.2	SIGMA=	1.3	PHAS=	343.3	FOM=	0.98
INDE	2	3	4	FOBS=	363.7	SIGMA=	1.3	PHAS=	90.5	FOM=	0.98
INDE	2	3	5	FOBS=	177.4	SIGMA=	2.4	PHAS=	15.2	FOM=	0.87
INDE	2	3	6	FOBS=	193.0	SIGMA=	2.5	PHAS=	40.8	FOM=	0.92
INDE	2	3	7	FOBS=	50.5	SIGMA=	12.7	PHAS=	156.3	FOM=	0.10
INDE	2	3	8	FOBS=	150.5	SIGMA=	4.6	PHAS=	145.1	FOM=	0.52
INDE	2	3	9	FOBS=	309.6	SIGMA=	2.2	PHAS=	302.5	FOM=	0.89
INDE	2	3	10	FOBS=	131.1	SIGMA=	5.7	PHAS=	18.8	FOM=	0.17
INDE	2	3	11	FOBS=	215.8	SIGMA=	3.8	PHAS=	200.1	FOM=	0.64
INDE	2	3	12	FOBS=	88.7	SIGMA=	10.4	PHAS=	115.9	FOM=	0.05
INDE	2	3	13	FOBS=	288.9	SIGMA=	3.3	PHAS=	329.8	FOM=	0.51
INDE	2	3	14	FOBS=	140.6	SIGMA=	6.2	PHAS=	178.9	FOM=	0.11
INDE	2	3	15	FOBS=	53.5	SIGMA=	14.1	PHAS=	147.1	FOM=	0.45
INDE	2	3	16	FOBS=	95.5	SIGMA=	8.8	PHAS=	25.7	FOM=	0.05
INDE	2	4	0	FOBS=	130.8	SIGMA=	2.0	PHAS=	164.3	FOM=	0.95
INDE	2	4	1	FOBS=	216.8	SIGMA=	1.1	PHAS=	8.8	FOM=	0.95
INDE	2	4	2	FOBS=	243.3	SIGMA=	1.2	PHAS=	312.4	FOM=	0.99
INDE	2	4	3	FOBS=	234.3	SIGMA=	1.4	PHAS=	74.5	FOM=	0.76
INDE	2	4	4	FOBS=	195.9	SIGMA=	1.8	PHAS=	300.7	FOM=	0.94
INDE	2	4	5	FOBS=	333.8	SIGMA=	1.6	PHAS=	275.3	FOM=	1.00
INDE	2	4	6	FOBS=	331.2	SIGMA=	1.6	PHAS=	73.6	FOM=	0.97
INDE	2	4	7	FOBS=	130.4	SIGMA=	4.9	PHAS=	198.5	FOM=	0.03
INDE	2	4	8	FOBS=	214.5	SIGMA=	3.0	PHAS=	111.4	FOM=	0.48
INDE	2	4	9	FOBS=	268.5	SIGMA=	2.5	PHAS=	84.3	FOM=	0.90
INDE	2	4	10	FOBS=	86.4	SIGMA=	8.4	PHAS=	119.6	FOM=	0.09
INDE	2	4	11	FOBS=	398.9	SIGMA=	2.1	PHAS=	183.3	FOM=	0.54
INDE	2	4	12	FOBS=	108.8	SIGMA=	8.0	PHAS=	316.3	FOM=	0.11
INDE	2	4	13	FOBS=	150.6	SIGMA=	6.7	PHAS=	140.7	FOM=	0.06
INDE	2	4	14	FOBS=	266.3	SIGMA=	3.5	PHAS=	139.9	FOM=	0.32
INDE	2	4	15	FOBS=	84.9	SIGMA=	9.8	PHAS=	284.4	FOM=	0.05
INDE	2	4	16	FOBS=	126.3	SIGMA=	6.7	PHAS=	229.8	FOM=	0.02
INDE	2	5	0	FOBS=	199.4	SIGMA=	1.5	PHAS=	36.1	FOM=	0.95
INDE	2	5	1	FOBS=	557.5	SIGMA=	0.8	PHAS=	327.7	FOM=	0.98
INDE	2	5	2	FOBS=	303.0	SIGMA=	1.0	PHAS=	45.1	FOM=	0.97
INDE	2	5	3	FOBS=	295.3	SIGMA=	1.2	PHAS=	333.1	FOM=	0.92
INDE	2	5	4	FOBS=	177.9	SIGMA=	2.2	PHAS=	258.2	FOM=	0.99
INDE	2	5	5	FOBS=	111.1	SIGMA=	4.0	PHAS=	30.0	FOM=	0.90
INDE	2	5	6	FOBS=	138.6	SIGMA=	4.0	PHAS=	326.8	FOM=	0.14
INDE	2	5	7	FOBS=	195.9	SIGMA=	3.1	PHAS=	220.6	FOM=	0.34
INDE	2	5	8	FOBS=	509.2	SIGMA=	1.4	PHAS=	136.9	FOM=	0.91
INDE	2	5	9	FOBS=	66.0	SIGMA=	10.3	PHAS=	291.1	FOM=	0.08
INDE	2	5	10	FOBS=	364.6	SIGMA=	2.1	PHAS=	134.4	FOM=	0.90
INDE	2	5	11	FOBS=	105.2	SIGMA=	8.3	PHAS=	248.1	FOM=	0.16
INDE	2	5	12	FOBS=	73.6	SIGMA=	13.2	PHAS=	63.5	FOM=	0.02
INDE	2	5	13	FOBS=	183.9	SIGMA=	4.9	PHAS=	86.3	FOM=	0.72
INDE	2	5	14	FOBS=	66.7	SIGMA=	15.7	PHAS=	309.1	FOM=	0.27
INDE	2	5	15	FOBS=	87.4	SIGMA=	10.0	PHAS=	207.5	FOM=	0.07
INDE	2	5	16	FOBS=	66.9	SIGMA=	23.2	PHAS=	102.1	FOM=	0.08
INDE	2	6	0	FOBS=	61.0	SIGMA=	3.3	PHAS=	27.2	FOM=	0.94
INDE	2	6	1	FOBS=	206.1	SIGMA=	1.3	PHAS=	322.3	FOM=	0.90
INDE	2	6	2	FOBS=	344.3	SIGMA=	1.0	PHAS=	54.7	FOM=	0.99
INDE	2	6	3	FOBS=	106.3	SIGMA=	3.2	PHAS=	324.3	FOM=	0.56
INDE	2	6	4	FOBS=	520.9	SIGMA=	0.9	PHAS=	354.6	FOM=	0.75
INDE	2	6	5	FOBS=	272.3	SIGMA=	1.9	PHAS=	28.6	FOM=	0.74
INDE	2	6	6	FOBS=	257.5	SIGMA=	2.2	PHAS=	0.5	FOM=	0.08
INDE	2	6	7	FOBS=	286.6	SIGMA=	2.2	PHAS=	275.7	FOM=	0.87
INDE	2	6	8	FOBS=	309.7	SIGMA=	2.1	PHAS=	101.8	FOM=	0.98
INDE	2	6	9	FOBS=	272.3	SIGMA=	2.5	PHAS=	316.8	FOM=	0.37
INDE	2	6	10	FOBS=	228.8	SIGMA=	3.2	PHAS=	287.4	FOM=	0.82
INDE	2	6	11	FOBS=	185.3	SIGMA=	4.7	PHAS=	169.5	FOM=	0.37

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INDE	2	6	12	FOBS=	208.4	SIGMA=	4.4	PHAS=	90.2	FOM=	0.39
INDE	22	6	13	FOBS=	68.2	SIGMA=	15.9	PHAS=	276.6	FOM=	0.11
INDE	22	6	14	FOBS=	114.7	SIGMA=	7.6	PHAS=	232.5	FOM=	0.10
INDE	22	6	15	FOBS=	54.8	SIGMA=	31.0	PHAS=	15.3	FOM=	0.07
INDE	22	6	16	FOBS=	58.5	SIGMA=	25.4	PHAS=	260.2	FOM=	0.03
INDE	22	7	0	FOBS=	213.8	SIGMA=	1.3	PHAS=	127.0	FOM=	0.97
INDE	22	7	1	FOBS=	268.4	SIGMA=	1.3	PHAS=	15.0	FOM=	0.63
INDE	22	7	2	FOBS=	263.3	SIGMA=	1.3	PHAS=	123.1	FOM=	0.88
INDE	22	7	3	FOBS=	271.9	SIGMA=	1.3	PHAS=	30.2	FOM=	0.66
INDE	22	7	4	FOBS=	187.3	SIGMA=	2.1	PHAS=	35.0	FOM=	0.94
INDE	22	7	5	FOBS=	68.2	SIGMA=	6.8	PHAS=	277.9	FOM=	0.03
INDE	22	7	6	FOBS=	37.4	SIGMA=	18.8	PHAS=	308.6	FOM=	0.26
INDE	22	7	7	FOBS=	134.0	SIGMA=	4.3	PHAS=	152.0	FOM=	0.81
INDE	22	7	8	FOBS=	224.9	SIGMA=	2.7	PHAS=	261.1	FOM=	0.83
INDE	22	7	9	FOBS=	184.2	SIGMA=	4.7	PHAS=	285.0	FOM=	0.90
INDE	22	7	10	FOBS=	332.2	SIGMA=	2.3	PHAS=	156.0	FOM=	0.90
INDE	22	7	11	FOBS=	119.3	SIGMA=	7.4	PHAS=	131.1	FOM=	0.41
INDE	22	7	12	FOBS=	147.7	SIGMA=	6.0	PHAS=	327.3	FOM=	0.53
INDE	22	7	13	FOBS=	188.4	SIGMA=	4.7	PHAS=	208.0	FOM=	0.57
INDE	22	7	14	FOBS=	65.7	SIGMA=	14.1	PHAS=	57.7	FOM=	0.06
INDE	22	7	15	FOBS=	63.7	SIGMA=	39.0	PHAS=	149.9	FOM=	0.03
INDE	22	8	0	FOBS=	67.8	SIGMA=	3.9	PHAS=	155.1	FOM=	0.47
INDE	22	8	1	FOBS=	242.7	SIGMA=	1.4	PHAS=	263.7	FOM=	0.98
INDE	22	8	2	FOBS=	272.0	SIGMA=	1.4	PHAS=	44.4	FOM=	0.86
INDE	22	8	3	FOBS=	315.0	SIGMA=	1.4	PHAS=	148.8	FOM=	1.00
INDE	22	8	4	FOBS=	135.3	SIGMA=	3.1	PHAS=	108.4	FOM=	0.89
INDE	22	8	5	FOBS=	122.9	SIGMA=	3.9	PHAS=	98.0	FOM=	0.67
INDE	22	8	6	FOBS=	121.5	SIGMA=	4.5	PHAS=	112.8	FOM=	0.80
INDE	22	8	7	FOBS=	195.4	SIGMA=	2.6	PHAS=	253.2	FOM=	0.18
INDE	22	8	8	FOBS=	319.6	SIGMA=	2.0	PHAS=	213.7	FOM=	0.25
INDE	22	8	9	FOBS=	206.5	SIGMA=	3.4	PHAS=	280.4	FOM=	0.86
INDE	22	8	10	FOBS=	389.9	SIGMA=	2.4	PHAS=	118.3	FOM=	0.95
INDE	22	8	11	FOBS=	71.8	SIGMA=	16.9	PHAS=	246.3	FOM=	0.10
INDE	22	8	12	FOBS=	190.5	SIGMA=	4.7	PHAS=	256.1	FOM=	0.41
INDE	22	8	13	FOBS=	141.3	SIGMA=	6.2	PHAS=	129.0	FOM=	0.49
INDE	22	8	14	FOBS=	87.6	SIGMA=	9.6	PHAS=	260.8	FOM=	0.02
INDE	22	8	15	FOBS=	49.9	SIGMA=	22.3	PHAS=	25.4	FOM=	0.05
INDE	22	9	0	FOBS=	128.1	SIGMA=	1.8	PHAS=	202.8	FOM=	0.82
INDE	22	9	1	FOBS=	63.2	SIGMA=	5.1	PHAS=	309.0	FOM=	0.56
INDE	22	9	2	FOBS=	145.0	SIGMA=	2.4	PHAS=	88.2	FOM=	0.86
INDE	22	9	3	FOBS=	49.5	SIGMA=	7.1	PHAS=	323.9	FOM=	0.19
INDE	22	9	4	FOBS=	152.6	SIGMA=	2.8	PHAS=	18.2	FOM=	0.90
INDE	22	9	5	FOBS=	77.3	SIGMA=	5.5	PHAS=	303.6	FOM=	0.57
INDE	22	9	6	FOBS=	231.0	SIGMA=	2.1	PHAS=	2.0	FOM=	0.78
INDE	22	9	7	FOBS=	179.7	SIGMA=	2.9	PHAS=	115.2	FOM=	0.58
INDE	22	9	8	FOBS=	208.0	SIGMA=	2.9	PHAS=	250.1	FOM=	0.73
INDE	22	9	9	FOBS=	68.7	SIGMA=	10.5	PHAS=	134.7	FOM=	0.15
INDE	22	9	10	FOBS=	283.8	SIGMA=	2.7	PHAS=	142.1	FOM=	0.60
INDE	22	9	11	FOBS=	166.2	SIGMA=	6.0	PHAS=	245.8	FOM=	0.56
INDE	22	9	12	FOBS=	275.3	SIGMA=	3.5	PHAS=	45.7	FOM=	0.44
INDE	22	9	13	FOBS=	127.6	SIGMA=	7.4	PHAS=	147.0	FOM=	0.29
INDE	22	9	14	FOBS=	50.2	SIGMA=	17.8	PHAS=	347.2	FOM=	0.17
INDE	22	9	15	FOBS=	104.0	SIGMA=	8.0	PHAS=	104.5	FOM=	0.04
INDE	22	10	0	FOBS=	94.9	SIGMA=	2.9	PHAS=	303.5	FOM=	0.97
INDE	22	10	1	FOBS=	173.9	SIGMA=	1.7	PHAS=	290.4	FOM=	0.96
INDE	22	10	2	FOBS=	141.0	SIGMA=	2.4	PHAS=	326.0	FOM=	0.94
INDE	22	10	3	FOBS=	101.8	SIGMA=	4.4	PHAS=	232.8	FOM=	0.64
INDE	22	10	4	FOBS=	258.8	SIGMA=	1.6	PHAS=	239.1	FOM=	0.93
INDE	22	10	5	FOBS=	139.4	SIGMA=	3.3	PHAS=	269.2	FOM=	0.86
INDE	22	10	6	FOBS=	189.5	SIGMA=	2.5	PHAS=	124.7	FOM=	0.58
INDE	22	10	7	FOBS=	118.9	SIGMA=	5.0	PHAS=	266.3	FOM=	0.03
INDE	22	10	8	FOBS=	63.4	SIGMA=	9.8	PHAS=	247.3	FOM=	0.09
INDE	22	10	9	FOBS=	101.4	SIGMA=	6.4	PHAS=	69.9	FOM=	0.18
INDE	22	10	10	FOBS=	317.0	SIGMA=	2.4	PHAS=	207.8	FOM=	0.53
INDE	22	10	11	FOBS=	121.3	SIGMA=	6.9	PHAS=	235.3	FOM=	0.36
INDE	22	10	12	FOBS=	251.4	SIGMA=	3.3	PHAS=	153.1	FOM=	0.83
INDE	22	10	13	FOBS=	151.0	SIGMA=	6.8	PHAS=	207.4	FOM=	0.42
INDE	22	10	14	FOBS=	69.3	SIGMA=	15.5	PHAS=	6.0	FOM=	0.14
INDE	22	11	0	FOBS=	139.2	SIGMA=	2.0	PHAS=	3.9	FOM=	0.99
INDE	22	11	1	FOBS=	157.6	SIGMA=	1.9	PHAS=	50.9	FOM=	0.86
INDE	22	11	2	FOBS=	205.8	SIGMA=	1.7	PHAS=	333.4	FOM=	0.76

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INDE	2	11	3	FOBS=	129.0	SIGMA=	3.8	PHAS=	340.4	FOM=	0.77
INDE	2	11	4	FOBS=	117.4	SIGMA=	4.0	PHAS=	196.2	FOM=	0.95
INDE	2	11	5	FOBS=	111.7	SIGMA=	4.0	PHAS=	353.2	FOM=	0.19
INDE	2	11	6	FOBS=	300.3	SIGMA=	1.7	PHAS=	61.7	FOM=	0.94
INDE	2	11	7	FOBS=	414.0	SIGMA=	1.5	PHAS=	234.5	FOM=	0.95
INDE	2	11	8	FOBS=	124.4	SIGMA=	5.0	PHAS=	9.8	FOM=	0.55
INDE	2	11	9	FOBS=	560.9	SIGMA=	2.0	PHAS=	244.2	FOM=	1.00
INDE	2	11	10	FOBS=	310.2	SIGMA=	2.4	PHAS=	125.9	FOM=	0.64
INDE	2	11	11	FOBS=	117.1	SIGMA=	6.8	PHAS=	343.6	FOM=	0.37
INDE	2	11	12	FOBS=	194.5	SIGMA=	4.3	PHAS=	141.2	FOM=	0.56
INDE	2	11	13	FOBS=	63.0	SIGMA=	4.3	PHAS=	174.8	FOM=	0.02
INDE	2	11	14	FOBS=	150.0	SIGMA=	5.7	PHAS=	11.3	FOM=	0.56
INDE	2	11	15	FOBS=	92.8	SIGMA=	10.3	PHAS=	178.1	FOM=	0.07
INDE	2	12	0	FOBS=	159.7	SIGMA=	1.8	PHAS=	344.5	FOM=	0.98
INDE	2	12	1	FOBS=	238.5	SIGMA=	1.6	PHAS=	163.2	FOM=	0.93
INDE	2	12	2	FOBS=	98.5	SIGMA=	3.8	PHAS=	283.1	FOM=	0.93
INDE	2	12	3	FOBS=	254.5	SIGMA=	1.5	PHAS=	231.8	FOM=	0.94
INDE	2	12	4	FOBS=	121.1	SIGMA=	4.2	PHAS=	116.7	FOM=	0.89
INDE	2	12	5	FOBS=	104.9	SIGMA=	4.5	PHAS=	345.2	FOM=	0.95
INDE	2	12	6	FOBS=	153.1	SIGMA=	3.6	PHAS=	61.4	FOM=	0.96
INDE	2	12	7	FOBS=	321.9	SIGMA=	1.8	PHAS=	70.0	FOM=	0.70
INDE	2	12	8	FOBS=	635.0	SIGMA=	1.7	PHAS=	293.6	FOM=	1.00
INDE	2	12	9	FOBS=	376.2	SIGMA=	1.9	PHAS=	132.9	FOM=	0.96
INDE	2	12	10	FOBS=	392.0	SIGMA=	2.1	PHAS=	117.0	FOM=	0.76
INDE	2	12	11	FOBS=	132.4	SIGMA=	5.9	PHAS=	309.1	FOM=	0.20
INDE	2	12	12	FOBS=	157.3	SIGMA=	5.2	PHAS=	170.5	FOM=	0.20
INDE	2	12	13	FOBS=	68.8	SIGMA=	11.4	PHAS=	317.7	FOM=	0.03
INDE	2	12	14	FOBS=	108.9	SIGMA=	7.2	PHAS=	88.3	FOM=	0.13
INDE	2	12	15	FOBS=	74.5	SIGMA=	11.1	PHAS=	290.1	FOM=	0.07
INDE	2	13	0	FOBS=	246.7	SIGMA=	1.8	PHAS=	271.0	FOM=	0.92
INDE	2	13	1	FOBS=	185.7	SIGMA=	2.0	PHAS=	262.0	FOM=	0.98
INDE	2	13	2	FOBS=	65.8	SIGMA=	4.5	PHAS=	14.7	FOM=	0.91
INDE	2	13	3	FOBS=	79.5	SIGMA=	5.0	PHAS=	340.1	FOM=	0.87
INDE	2	13	4	FOBS=	154.1	SIGMA=	2.9	PHAS=	115.9	FOM=	0.96
INDE	2	13	5	FOBS=	128.2	SIGMA=	4.0	PHAS=	195.5	FOM=	0.79
INDE	2	13	6	FOBS=	225.9	SIGMA=	2.5	PHAS=	318.0	FOM=	0.96
INDE	2	13	7	FOBS=	170.6	SIGMA=	3.3	PHAS=	313.8	FOM=	0.94
INDE	2	13	8	FOBS=	240.7	SIGMA=	2.7	PHAS=	352.4	FOM=	0.81
INDE	2	13	9	FOBS=	77.7	SIGMA=	8.7	PHAS=	43.7	FOM=	0.13
INDE	2	13	10	FOBS=	94.9	SIGMA=	7.7	PHAS=	170.4	FOM=	0.12
INDE	2	13	11	FOBS=	169.6	SIGMA=	4.7	PHAS=	340.9	FOM=	0.46
INDE	2	13	12	FOBS=	65.4	SIGMA=	11.9	PHAS=	199.8	FOM=	0.09
INDE	2	13	13	FOBS=	148.9	SIGMA=	5.4	PHAS=	114.8	FOM=	0.66
INDE	2	13	14	FOBS=	41.9	SIGMA=	18.1	PHAS=	307.3	FOM=	0.16
INDE	2	13	15	FOBS=	110.9	SIGMA=	22.9	PHAS=	185.4	FOM=	0.07
INDE	2	14	0	FOBS=	253.4	SIGMA=	1.6	PHAS=	310.1	FOM=	0.95
INDE	2	14	1	FOBS=	232.6	SIGMA=	1.5	PHAS=	170.9	FOM=	0.98
INDE	2	14	2	FOBS=	238.4	SIGMA=	1.7	PHAS=	8.8	FOM=	0.94
INDE	2	14	3	FOBS=	156.8	SIGMA=	2.4	PHAS=	184.2	FOM=	0.89
INDE	2	14	4	FOBS=	152.4	SIGMA=	2.8	PHAS=	71.9	FOM=	0.77
INDE	2	14	5	FOBS=	159.8	SIGMA=	3.2	PHAS=	87.2	FOM=	0.82
INDE	2	14	6	FOBS=	342.8	SIGMA=	1.9	PHAS=	58.0	FOM=	0.85
INDE	2	14	7	FOBS=	227.3	SIGMA=	2.5	PHAS=	179.4	FOM=	0.73
INDE	2	14	8	FOBS=	286.4	SIGMA=	2.1	PHAS=	265.8	FOM=	0.87
INDE	2	14	9	FOBS=	173.8	SIGMA=	4.2	PHAS=	92.6	FOM=	0.53
INDE	2	14	10	FOBS=	184.9	SIGMA=	4.2	PHAS=	343.8	FOM=	0.93
INDE	2	14	11	FOBS=	250.6	SIGMA=	3.0	PHAS=	185.6	FOM=	0.68
INDE	2	14	12	FOBS=	189.3	SIGMA=	4.1	PHAS=	172.3	FOM=	0.81
INDE	2	14	13	FOBS=	130.0	SIGMA=	6.0	PHAS=	347.3	FOM=	0.22
INDE	2	14	14	FOBS=	74.1	SIGMA=	25.4	PHAS=	164.2	FOM=	0.02
INDE	2	15	0	FOBS=	54.4	SIGMA=	6.1	PHAS=	121.0	FOM=	0.45
INDE	2	15	1	FOBS=	215.8	SIGMA=	1.7	PHAS=	35.4	FOM=	1.00
INDE	2	15	2	FOBS=	279.5	SIGMA=	1.5	PHAS=	275.3	FOM=	0.96
INDE	2	15	3	FOBS=	277.2	SIGMA=	1.6	PHAS=	294.6	FOM=	0.12
INDE	2	15	4	FOBS=	149.2	SIGMA=	2.8	PHAS=	279.0	FOM=	0.19
INDE	2	15	5	FOBS=	171.4	SIGMA=	2.7	PHAS=	116.2	FOM=	0.53
INDE	2	15	6	FOBS=	312.3	SIGMA=	2.0	PHAS=	297.7	FOM=	0.89
INDE	2	15	7	FOBS=	232.4	SIGMA=	2.8	PHAS=	225.0	FOM=	0.86
INDE	2	15	8	FOBS=	296.5	SIGMA=	2.2	PHAS=	103.2	FOM=	0.92
INDE	2	15	9	FOBS=	148.1	SIGMA=	5.3	PHAS=	16.4	FOM=	0.72
INDE	2	15	10	FOBS=	95.2	SIGMA=	7.4	PHAS=	150.7	FOM=	0.47

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INDE	2	15	11	FOBS=	129.0	SIGMA=	5.8	PHAS=	120.6	FOM=	0.44
INDE	2	15	12	FOBS=	77.9	SIGMA=	9.6	PHAS=	295.4	FOM=	0.26
INDE	2	15	13	FOBS=	67.4	SIGMA=	11.1	PHAS=	188.5	FOM=	0.28
INDE	2	15	14	FOBS=	60.3	SIGMA=	12.2	PHAS=	17.5	FOM=	0.07
INDE	2	16	0	FOBS=	78.3	SIGMA=	4.5	PHAS=	333.2	FOM=	0.76
INDE	2	16	1	FOBS=	186.0	SIGMA=	1.9	PHAS=	149.3	FOM=	0.95
INDE	2	16	2	FOBS=	147.9	SIGMA=	2.5	PHAS=	182.9	FOM=	0.91
INDE	2	16	3	FOBS=	71.4	SIGMA=	5.5	PHAS=	153.9	FOM=	0.12
INDE	2	16	4	FOBS=	275.3	SIGMA=	1.7	PHAS=	59.9	FOM=	0.95
INDE	2	16	5	FOBS=	211.8	SIGMA=	2.2	PHAS=	48.4	FOM=	0.89
INDE	2	16	6	FOBS=	135.4	SIGMA=	3.9	PHAS=	150.0	FOM=	0.44
INDE	2	16	7	FOBS=	141.0	SIGMA=	4.6	PHAS=	129.1	FOM=	0.45
INDE	2	16	8	FOBS=	128.6	SIGMA=	5.2	PHAS=	237.3	FOM=	0.23
INDE	2	16	9	FOBS=	107.5	SIGMA=	6.4	PHAS=	200.2	FOM=	0.49
INDE	2	16	10	FOBS=	75.1	SIGMA=	10.1	PHAS=	6.7	FOM=	0.21
INDE	2	16	11	FOBS=	57.0	SIGMA=	14.1	PHAS=	203.5	FOM=	0.14
INDE	2	16	12	FOBS=	83.6	SIGMA=	8.8	PHAS=	160.4	FOM=	0.00
INDE	2	16	13	FOBS=	110.1	SIGMA=	6.7	PHAS=	66.4	FOM=	0.21
INDE	2	16	14	FOBS=	51.8	SIGMA=	22.5	PHAS=	197.0	FOM=	0.07
INDE	2	17	0	FOBS=	103.3	SIGMA=	3.5	PHAS=	42.3	FOM=	0.51
INDE	2	17	1	FOBS=	71.0	SIGMA=	5.7	PHAS=	163.7	FOM=	0.37
INDE	2	17	2	FOBS=	250.7	SIGMA=	1.6	PHAS=	235.7	FOM=	0.73
INDE	2	17	3	FOBS=	294.0	SIGMA=	1.6	PHAS=	189.9	FOM=	0.75
INDE	2	17	4	FOBS=	86.3	SIGMA=	5.1	PHAS=	323.6	FOM=	0.12
INDE	2	17	5	FOBS=	220.9	SIGMA=	2.3	PHAS=	268.9	FOM=	0.99
INDE	2	17	6	FOBS=	293.8	SIGMA=	1.8	PHAS=	206.1	FOM=	0.97
INDE	2	17	7	FOBS=	356.8	SIGMA=	1.7	PHAS=	84.4	FOM=	0.78
INDE	2	17	8	FOBS=	176.8	SIGMA=	4.1	PHAS=	169.9	FOM=	0.27
INDE	2	17	9	FOBS=	131.1	SIGMA=	5.6	PHAS=	48.1	FOM=	0.48
INDE	2	17	10	FOBS=	267.4	SIGMA=	2.8	PHAS=	131.5	FOM=	0.75
INDE	2	17	11	FOBS=	43.9	SIGMA=	20.5	PHAS=	119.8	FOM=	0.17
INDE	2	17	12	FOBS=	67.8	SIGMA=	11.3	PHAS=	359.7	FOM=	0.16
INDE	2	17	13	FOBS=	99.0	SIGMA=	7.2	PHAS=	203.3	FOM=	0.02
INDE	2	17	14	FOBS=	87.0	SIGMA=	43.0	PHAS=	110.7	FOM=	0.04
INDE	2	18	0	FOBS=	56.5	SIGMA=	6.4	PHAS=	267.1	FOM=	0.48
INDE	2	18	1	FOBS=	177.2	SIGMA=	2.5	PHAS=	316.5	FOM=	0.83
INDE	2	18	2	FOBS=	189.8	SIGMA=	2.1	PHAS=	61.7	FOM=	0.99
INDE	2	18	3	FOBS=	368.2	SIGMA=	1.4	PHAS=	258.1	FOM=	0.96
INDE	2	18	4	FOBS=	364.0	SIGMA=	1.5	PHAS=	192.0	FOM=	0.14
INDE	2	18	5	FOBS=	224.2	SIGMA=	2.2	PHAS=	170.2	FOM=	0.88
INDE	2	18	6	FOBS=	161.1	SIGMA=	3.3	PHAS=	341.5	FOM=	0.79
INDE	2	18	7	FOBS=	229.9	SIGMA=	2.5	PHAS=	358.6	FOM=	0.93
INDE	2	18	8	FOBS=	433.3	SIGMA=	16.6	PHAS=	2.1	FOM=	0.21
INDE	2	18	9	FOBS=	209.5	SIGMA=	3.6	PHAS=	127.9	FOM=	0.51
INDE	2	18	10	FOBS=	123.9	SIGMA=	6.4	PHAS=	198.6	FOM=	0.20
INDE	2	18	11	FOBS=	160.8	SIGMA=	4.4	PHAS=	314.5	FOM=	0.25
INDE	2	18	12	FOBS=	38.8	SIGMA=	29.8	PHAS=	61.3	FOM=	0.11
INDE	2	18	13	FOBS=	68.9	SIGMA=	10.6	PHAS=	219.2	FOM=	0.02
INDE	2	19	0	FOBS=	254.2	SIGMA=	1.6	PHAS=	91.2	FOM=	0.97
INDE	2	19	1	FOBS=	346.1	SIGMA=	1.3	PHAS=	10.2	FOM=	0.92
INDE	2	19	2	FOBS=	231.6	SIGMA=	1.8	PHAS=	287.4	FOM=	0.91
INDE	2	19	3	FOBS=	94.5	SIGMA=	4.5	PHAS=	249.2	FOM=	0.44
INDE	2	19	4	FOBS=	44.7	SIGMA=	11.6	PHAS=	81.5	FOM=	0.15
INDE	2	19	5	FOBS=	164.6	SIGMA=	3.0	PHAS=	126.3	FOM=	0.79
INDE	2	19	6	FOBS=	146.4	SIGMA=	3.8	PHAS=	73.1	FOM=	0.53
INDE	2	19	7	FOBS=	212.4	SIGMA=	2.7	PHAS=	274.2	FOM=	0.69
INDE	2	19	8	FOBS=	289.8	SIGMA=	2.2	PHAS=	87.0	FOM=	0.84
INDE	2	19	9	FOBS=	75.3	SIGMA=	8.9	PHAS=	193.5	FOM=	0.27
INDE	2	19	10	FOBS=	50.1	SIGMA=	16.3	PHAS=	311.6	FOM=	0.07
INDE	2	19	11	FOBS=	223.3	SIGMA=	3.1	PHAS=	103.2	FOM=	0.81
INDE	2	19	12	FOBS=	159.1	SIGMA=	4.5	PHAS=	284.6	FOM=	0.39
INDE	2	19	13	FOBS=	56.3	SIGMA=	12.4	PHAS=	202.6	FOM=	0.05
INDE	2	20	0	FOBS=	206.4	SIGMA=	2.0	PHAS=	291.0	FOM=	0.81
INDE	2	20	1	FOBS=	233.0	SIGMA=	1.9	PHAS=	198.3	FOM=	0.56
INDE	2	20	2	FOBS=	180.8	SIGMA=	2.2	PHAS=	115.7	FOM=	0.84
INDE	2	20	3	FOBS=	363.0	SIGMA=	1.4	PHAS=	22.5	FOM=	0.99
INDE	2	20	4	FOBS=	140.4	SIGMA=	3.6	PHAS=	44.2	FOM=	0.34
INDE	2	20	5	FOBS=	226.5	SIGMA=	3.1	PHAS=	107.8	FOM=	0.95
INDE	2	20	6	FOBS=	220.0	SIGMA=	2.5	PHAS=	295.7	FOM=	0.89
INDE	2	20	7	FOBS=	49.1	SIGMA=	12.2	PHAS=	139.0	FOM=	0.21
INDE	2	20	8	FOBS=	110.4	SIGMA=	5.7	PHAS=	261.1	FOM=	0.62

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INDE	2	20	9	FOBS=	98.3	SIGMA=	6.2	PHAS=	28.0	FOM=	0.21
INDE	2	20	10	FOBS=	101.5	SIGMA=	6.5	PHAS=	11.6	FOM=	0.07
INDE	2	20	11	FOBS=	121.6	SIGMA=	7.1	PHAS=	288.7	FOM=	0.25
INDE	2	20	12	FOBS=	129.8	SIGMA=	5.4	PHAS=	212.0	FOM=	0.47
INDE	2	21	0	FOBS=	292.4	SIGMA=	1.5	PHAS=	226.0	FOM=	0.92
INDE	2	21	1	FOBS=	263.9	SIGMA=	1.7	PHAS=	178.2	FOM=	0.95
INDE	2	21	2	FOBS=	257.1	SIGMA=	2.0	PHAS=	71.3	FOM=	0.90
INDE	2	21	3	FOBS=	300.5	SIGMA=	1.7	PHAS=	334.7	FOM=	0.97
INDE	2	21	4	FOBS=	150.5	SIGMA=	3.5	PHAS=	298.4	FOM=	0.82
INDE	2	21	5	FOBS=	201.2	SIGMA=	2.7	PHAS=	31.0	FOM=	0.55
INDE	2	21	6	FOBS=	84.9	SIGMA=	6.8	PHAS=	345.3	FOM=	0.62
INDE	2	21	7	FOBS=	93.2	SIGMA=	6.1	PHAS=	161.0	FOM=	0.61
INDE	2	21	8	FOBS=	256.6	SIGMA=	2.4	PHAS=	265.4	FOM=	0.21
INDE	2	21	9	FOBS=	177.3	SIGMA=	3.6	PHAS=	177.3	FOM=	0.48
INDE	2	21	10	FOBS=	132.0	SIGMA=	4.8	PHAS=	265.0	FOM=	0.19
INDE	2	21	11	FOBS=	36.4	SIGMA=	18.0	PHAS=	66.3	FOM=	0.08
INDE	2	21	12	FOBS=	63.8	SIGMA=	12.5	PHAS=	189.7	FOM=	0.02
INDE	2	22	0	FOBS=	289.4	SIGMA=	1.6	PHAS=	177.3	FOM=	0.89
INDE	2	22	1	FOBS=	287.4	SIGMA=	1.7	PHAS=	159.0	FOM=	0.94
INDE	2	22	2	FOBS=	268.4	SIGMA=	2.0	PHAS=	288.0	FOM=	0.95
INDE	2	22	3	FOBS=	35.7	SIGMA=	14.6	PHAS=	4.4	FOM=	0.07
INDE	2	22	4	FOBS=	102.1	SIGMA=	4.7	PHAS=	249.9	FOM=	0.82
INDE	2	22	5	FOBS=	163.7	SIGMA=	3.5	PHAS=	81.0	FOM=	0.79
INDE	2	22	6	FOBS=	171.0	SIGMA=	3.4	PHAS=	349.4	FOM=	0.56
INDE	2	22	7	FOBS=	159.0	SIGMA=	3.9	PHAS=	176.4	FOM=	0.91
INDE	2	22	8	FOBS=	124.3	SIGMA=	4.7	PHAS=	270.8	FOM=	0.38
INDE	2	22	9	FOBS=	92.1	SIGMA=	6.5	PHAS=	170.5	FOM=	0.14
INDE	2	22	10	FOBS=	103.3	SIGMA=	5.7	PHAS=	20.9	FOM=	0.40
INDE	2	22	11	FOBS=	65.4	SIGMA=	9.9	PHAS=	56.2	FOM=	0.03
INDE	2	22	12	FOBS=	72.3	SIGMA=	11.1	PHAS=	156.4	FOM=	0.03
INDE	2	23	0	FOBS=	112.1	SIGMA=	3.8	PHAS=	99.4	FOM=	0.51
INDE	2	23	1	FOBS=	184.6	SIGMA=	2.5	PHAS=	337.0	FOM=	0.80
INDE	2	23	2	FOBS=	315.9	SIGMA=	1.6	PHAS=	59.6	FOM=	0.82
INDE	2	23	3	FOBS=	363.5	SIGMA=	1.5	PHAS=	192.7	FOM=	0.97
INDE	2	23	4	FOBS=	161.8	SIGMA=	3.1	PHAS=	166.6	FOM=	0.89
INDE	2	23	5	FOBS=	172.5	SIGMA=	3.1	PHAS=	98.6	FOM=	0.25
INDE	2	23	6	FOBS=	225.2	SIGMA=	2.6	PHAS=	150.1	FOM=	0.80
INDE	2	23	7	FOBS=	117.4	SIGMA=	5.1	PHAS=	264.8	FOM=	0.76
INDE	2	23	8	FOBS=	174.1	SIGMA=	3.5	PHAS=	43.2	FOM=	0.50
INDE	2	23	9	FOBS=	62.9	SIGMA=	9.2	PHAS=	45.7	FOM=	0.06
INDE	2	23	10	FOBS=	71.4	SIGMA=	8.6	PHAS=	243.9	FOM=	0.73
INDE	2	23	11	FOBS=	88.0	SIGMA=	6.7	PHAS=	82.5	FOM=	0.26
INDE	2	24	0	FOBS=	247.7	SIGMA=	1.9	PHAS=	85.6	FOM=	1.00
INDE	2	24	1	FOBS=	70.7	SIGMA=	6.7	PHAS=	216.8	FOM=	0.70
INDE	2	24	2	FOBS=	108.0	SIGMA=	4.2	PHAS=	237.2	FOM=	0.09
INDE	2	24	3	FOBS=	229.6	SIGMA=	2.4	PHAS=	141.2	FOM=	0.19
INDE	2	24	4	FOBS=	109.9	SIGMA=	4.7	PHAS=	116.1	FOM=	0.43
INDE	2	24	5	FOBS=	154.3	SIGMA=	3.6	PHAS=	23.6	FOM=	0.28
INDE	2	24	6	FOBS=	98.7	SIGMA=	5.6	PHAS=	304.5	FOM=	0.14
INDE	2	24	7	FOBS=	41.5	SIGMA=	14.4	PHAS=	359.8	FOM=	0.14
INDE	2	24	8	FOBS=	129.8	SIGMA=	4.4	PHAS=	109.8	FOM=	0.26
INDE	2	24	9	FOBS=	68.7	SIGMA=	9.5	PHAS=	165.7	FOM=	0.19
INDE	2	24	10	FOBS=	222.9	SIGMA=	2.7	PHAS=	37.8	FOM=	0.88
INDE	2	24	11	FOBS=	97.5	SIGMA=	6.7	PHAS=	89.4	FOM=	0.19
INDE	2	25	0	FOBS=	145.3	SIGMA=	3.1	PHAS=	55.1	FOM=	0.77
INDE	2	25	1	FOBS=	106.8	SIGMA=	4.3	PHAS=	94.1	FOM=	0.83
INDE	2	25	2	FOBS=	164.2	SIGMA=	2.9	PHAS=	3.9	FOM=	0.97
INDE	2	25	3	FOBS=	122.1	SIGMA=	4.7	PHAS=	89.7	FOM=	0.74
INDE	2	25	4	FOBS=	169.5	SIGMA=	3.0	PHAS=	282.3	FOM=	0.19
INDE	2	25	5	FOBS=	312.0	SIGMA=	1.8	PHAS=	56.9	FOM=	0.97
INDE	2	25	6	FOBS=	81.1	SIGMA=	6.6	PHAS=	14.1	FOM=	0.31
INDE	2	25	7	FOBS=	96.7	SIGMA=	5.9	PHAS=	268.0	FOM=	0.33
INDE	2	25	8	FOBS=	137.2	SIGMA=	4.2	PHAS=	304.4	FOM=	0.11
INDE	2	25	9	FOBS=	77.2	SIGMA=	7.4	PHAS=	24.1	FOM=	0.32
INDE	2	25	10	FOBS=	57.3	SIGMA=	11.2	PHAS=	266.4	FOM=	0.12
INDE	2	26	0	FOBS=	221.5	SIGMA=	2.1	PHAS=	114.2	FOM=	0.98
INDE	2	26	1	FOBS=	157.9	SIGMA=	2.8	PHAS=	94.7	FOM=	0.96
INDE	2	26	2	FOBS=	111.7	SIGMA=	4.2	PHAS=	325.5	FOM=	0.86
INDE	2	26	3	FOBS=	260.4	SIGMA=	2.2	PHAS=	167.6	FOM=	0.62
INDE	2	26	4	FOBS=	233.5	SIGMA=	2.2	PHAS=	307.1	FOM=	0.66
INDE	2	26	5	FOBS=	209.0	SIGMA=	2.5	PHAS=	112.2	FOM=	0.95

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INDE	2	26	6	FOBS=	436.6	SIGMA=	1.6	PHAS=	325.9	FOM=	0.94
INDE	2	26	7	FOBS=	238.0	SIGMA=	2.4	PHAS=	165.4	FOM=	0.95
INDE	2	26	8	FOBS=	206.3	SIGMA=	2.8	PHAS=	9.1	FOM=	0.95
INDE	2	26	9	FOBS=	274.1	SIGMA=	2.2	PHAS=	202.4	FOM=	0.79
INDE	2	26	10	FOBS=	129.5	SIGMA=	8.7	PHAS=	60.5	FOM=	0.22
INDE	2	27	10	FOBS=	290.2	SIGMA=	1.7	PHAS=	131.2	FOM=	0.91
INDE	2	27	1	FOBS=	44.5	SIGMA=	11.9	PHAS=	177.5	FOM=	0.10
INDE	2	27	2	FOBS=	201.2	SIGMA=	2.3	PHAS=	48.9	FOM=	0.89
INDE	2	27	3	FOBS=	169.5	SIGMA=	2.6	PHAS=	351.1	FOM=	0.95
INDE	2	27	4	FOBS=	190.3	SIGMA=	2.8	PHAS=	135.9	FOM=	0.90
INDE	2	27	5	FOBS=	123.8	SIGMA=	4.2	PHAS=	317.7	FOM=	0.62
INDE	2	27	6	FOBS=	51.8	SIGMA=	9.7	PHAS=	179.2	FOM=	0.43
INDE	2	27	7	FOBS=	198.8	SIGMA=	2.8	PHAS=	51.8	FOM=	0.94
INDE	2	27	8	FOBS=	90.3	SIGMA=	6.1	PHAS=	323.6	FOM=	0.22
INDE	2	27	9	FOBS=	177.4	SIGMA=	3.2	PHAS=	266.6	FOM=	0.49
INDE	2	28	0	FOBS=	76.0	SIGMA=	5.6	PHAS=	102.3	FOM=	0.67
INDE	2	28	1	FOBS=	243.4	SIGMA=	2.0	PHAS=	324.3	FOM=	0.96
INDE	2	28	2	FOBS=	288.1	SIGMA=	1.8	PHAS=	61.8	FOM=	0.98
INDE	2	28	3	FOBS=	230.2	SIGMA=	2.1	PHAS=	290.0	FOM=	0.95
INDE	2	28	4	FOBS=	122.5	SIGMA=	4.6	PHAS=	338.1	FOM=	0.64
INDE	2	28	5	FOBS=	145.0	SIGMA=	3.5	PHAS=	222.2	FOM=	0.88
INDE	2	28	6	FOBS=	112.8	SIGMA=	4.6	PHAS=	355.2	FOM=	0.68
INDE	2	28	7	FOBS=	70.6	SIGMA=	7.3	PHAS=	89.2	FOM=	0.03
INDE	2	28	8	FOBS=	44.8	SIGMA=	12.0	PHAS=	255.5	FOM=	0.02
INDE	2	29	0	FOBS=	234.8	SIGMA=	2.0	PHAS=	5.4	FOM=	0.23
INDE	2	29	1	FOBS=	167.6	SIGMA=	2.7	PHAS=	132.5	FOM=	0.54
INDE	2	29	2	FOBS=	155.8	SIGMA=	2.9	PHAS=	61.3	FOM=	0.93
INDE	2	29	3	FOBS=	155.1	SIGMA=	3.0	PHAS=	15.8	FOM=	0.20
INDE	2	29	4	FOBS=	56.4	SIGMA=	9.3	PHAS=	272.9	FOM=	0.05
INDE	2	29	5	FOBS=	44.7	SIGMA=	12.2	PHAS=	104.8	FOM=	0.28
INDE	2	29	6	FOBS=	110.5	SIGMA=	4.5	PHAS=	325.4	FOM=	0.21
INDE	2	29	7	FOBS=	113.5	SIGMA=	4.5	PHAS=	343.1	FOM=	0.15
INDE	2	30	0	FOBS=	44.4	SIGMA=	16.5	PHAS=	111.3	FOM=	0.21
INDE	2	30	1	FOBS=	291.6	SIGMA=	1.7	PHAS=	247.7	FOM=	0.77
INDE	2	30	2	FOBS=	127.6	SIGMA=	3.5	PHAS=	24.7	FOM=	0.69
INDE	2	30	3	FOBS=	133.0	SIGMA=	3.5	PHAS=	143.4	FOM=	0.85
INDE	2	30	4	FOBS=	114.6	SIGMA=	4.0	PHAS=	291.0	FOM=	0.55
INDE	2	30	5	FOBS=	90.5	SIGMA=	6.0	PHAS=	8.3	FOM=	0.05
INDE	2	30	6	FOBS=	105.9	SIGMA=	4.6	PHAS=	131.5	FOM=	0.15
INDE	2	31	0	FOBS=	175.8	SIGMA=	2.4	PHAS=	213.9	FOM=	0.71
INDE	2	31	1	FOBS=	74.2	SIGMA=	5.6	PHAS=	332.1	FOM=	0.85
INDE	2	31	2	FOBS=	61.7	SIGMA=	6.8	PHAS=	100.3	FOM=	0.08
INDE	2	31	3	FOBS=	176.7	SIGMA=	2.6	PHAS=	195.1	FOM=	0.59
INDE	2	31	4	FOBS=	144.0	SIGMA=	3.2	PHAS=	27.7	FOM=	0.87
INDE	2	31	5	FOBS=	40.0	SIGMA=	18.0	PHAS=	127.4	FOM=	0.08
INDE	2	32	0	FOBS=	147.3	SIGMA=	3.0	PHAS=	286.2	FOM=	0.81
INDE	2	32	1	FOBS=	105.9	SIGMA=	4.0	PHAS=	227.0	FOM=	0.75
INDE	2	32	2	FOBS=	74.3	SIGMA=	5.6	PHAS=	345.2	FOM=	0.18
INDE	2	32	3	FOBS=	85.5	SIGMA=	5.1	PHAS=	334.8	FOM=	0.02
INDE	2	32	4	FOBS=	108.7	SIGMA=	5.1	PHAS=	357.8	FOM=	0.10
INDE	2	33	0	FOBS=	98.5	SIGMA=	4.3	PHAS=	260.6	FOM=	0.16
INDE	2	33	1	FOBS=	134.1	SIGMA=	3.5	PHAS=	173.2	FOM=	0.86
INDE	2	33	0	FOBS=	45.3	SIGMA=	5.6	PHAS=	180.0	FOM=	0.36
INDE	3	0	1	FOBS=	100.4	SIGMA=	3.6	PHAS=	0.0	FOM=	0.07
INDE	3	0	2	FOBS=	25.8	SIGMA=	20.0	PHAS=	180.0	FOM=	0.40
INDE	3	0	3	FOBS=	204.2	SIGMA=	2.3	PHAS=	180.0	FOM=	1.00
INDE	3	0	4	FOBS=	328.3	SIGMA=	1.9	PHAS=	0.0	FOM=	1.00
INDE	3	0	5	FOBS=	253.6	SIGMA=	2.7	PHAS=	0.0	FOM=	0.64
INDE	3	0	6	FOBS=	348.5	SIGMA=	2.3	PHAS=	0.0	FOM=	1.00
INDE	3	0	7	FOBS=	112.9	SIGMA=	8.6	PHAS=	180.0	FOM=	0.94
INDE	3	0	8	FOBS=	337.5	SIGMA=	2.9	PHAS=	0.0	FOM=	1.00
INDE	3	0	9	FOBS=	245.2	SIGMA=	4.2	PHAS=	180.0	FOM=	0.15
INDE	3	0	10	FOBS=	218.3	SIGMA=	5.1	PHAS=	180.0	FOM=	0.26
INDE	3	0	11	FOBS=	139.3	SIGMA=	10.3	PHAS=	0.0	FOM=	0.01
INDE	3	0	12	FOBS=	107.2	SIGMA=	16.6	PHAS=	180.0	FOM=	0.01
INDE	3	0	13	FOBS=	80.4	SIGMA=	16.0	PHAS=	0.0	FOM=	0.05
INDE	3	0	14	FOBS=	110.6	SIGMA=	11.5	PHAS=	180.0	FOM=	0.03
INDE	3	0	15	FOBS=	54.4	SIGMA=	22.8	PHAS=	180.0	FOM=	0.02
INDE	3	0	16	FOBS=	268.3	SIGMA=	407.0	PHAS=	0.0	FOM=	0.02
INDE	3	1	0	FOBS=	123.4	SIGMA=	1.6	PHAS=	64.7	FOM=	0.75
INDE	3	1	1	FOBS=	167.8	SIGMA=	1.5	PHAS=	182.1	FOM=	0.81

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INDE	3	1	2	FOBS=	376.1	SIGMA=	0.9	PHAS=	306.5	FOM=	0.93
INDE	3	1	3	FOBS=	752.9	SIGMA=	1.0	PHAS=	39.0	FOM=	0.40
INDE	3	1	4	FOBS=	322.1	SIGMA=	1.3	PHAS=	249.5	FOM=	1.00
INDE	3	1	5	FOBS=	126.5	SIGMA=	3.9	PHAS=	208.5	FOM=	0.88
INDE	3	1	6	FOBS=	200.3	SIGMA=	2.7	PHAS=	102.8	FOM=	0.79
INDE	3	1	7	FOBS=	226.2	SIGMA=	2.5	PHAS=	127.1	FOM=	0.26
INDE	3	1	8	FOBS=	134.0	SIGMA=	5.0	PHAS=	312.9	FOM=	0.59
INDE	3	1	9	FOBS=	177.8	SIGMA=	4.4	PHAS=	186.3	FOM=	0.12
INDE	3	1	10	FOBS=	72.9	SIGMA=	12.2	PHAS=	190.5	FOM=	0.13
INDE	3	1	11	FOBS=	232.1	SIGMA=	4.4	PHAS=	313.9	FOM=	0.22
INDE	3	1	12	FOBS=	187.2	SIGMA=	5.8	PHAS=	328.6	FOM=	0.08
INDE	3	1	13	FOBS=	193.8	SIGMA=	5.4	PHAS=	225.3	FOM=	0.30
INDE	3	1	14	FOBS=	230.8	SIGMA=	3.8	PHAS=	108.3	FOM=	0.37
INDE	3	1	15	FOBS=	83.8	SIGMA=	10.9	PHAS=	41.7	FOM=	0.07
INDE	3	1	16	FOBS=	85.0	SIGMA=	42.0	PHAS=	237.4	FOM=	0.05
INDE	3	2	0	FOBS=	166.1	SIGMA=	1.6	PHAS=	49.3	FOM=	1.00
INDE	3	2	1	FOBS=	260.8	SIGMA=	1.0	PHAS=	270.6	FOM=	0.99
INDE	3	2	2	FOBS=	497.2	SIGMA=	0.8	PHAS=	28.1	FOM=	0.99
INDE	3	2	3	FOBS=	513.7	SIGMA=	1.3	PHAS=	236.3	FOM=	0.98
INDE	3	2	4	FOBS=	183.9	SIGMA=	2.5	PHAS=	178.0	FOM=	0.82
INDE	3	2	5	FOBS=	140.9	SIGMA=	3.6	PHAS=	228.2	FOM=	0.25
INDE	3	2	6	FOBS=	92.9	SIGMA=	5.9	PHAS=	94.3	FOM=	0.47
INDE	3	2	7	FOBS=	101.2	SIGMA=	79.9	PHAS=	213.8	FOM=	0.25
INDE	3	2	8	FOBS=	65.5	SIGMA=	10.1	PHAS=	350.4	FOM=	0.12
INDE	3	2	9	FOBS=	426.2	SIGMA=	1.9	PHAS=	101.1	FOM=	0.96
INDE	3	2	10	FOBS=	85.1	SIGMA=	10.9	PHAS=	49.1	FOM=	0.13
INDE	3	2	11	FOBS=	157.4	SIGMA=	6.2	PHAS=	274.0	FOM=	0.48
INDE	3	2	12	FOBS=	209.7	SIGMA=	4.6	PHAS=	196.9	FOM=	0.75
INDE	3	2	13	FOBS=	186.0	SIGMA=	5.8	PHAS=	68.9	FOM=	0.37
INDE	3	2	14	FOBS=	147.6	SIGMA=	6.5	PHAS=	327.3	FOM=	0.24
INDE	3	2	15	FOBS=	59.6	SIGMA=	16.1	PHAS=	247.0	FOM=	0.05
INDE	3	3	0	FOBS=	52.4	SIGMA=	4.0	PHAS=	9.4	FOM=	0.84
INDE	3	3	1	FOBS=	46.8	SIGMA=	4.8	PHAS=	27.9	FOM=	0.32
INDE	3	3	2	FOBS=	239.1	SIGMA=	1.4	PHAS=	215.2	FOM=	0.83
INDE	3	3	3	FOBS=	355.1	SIGMA=	1.1	PHAS=	112.5	FOM=	0.99
INDE	3	3	4	FOBS=	321.0	SIGMA=	1.4	PHAS=	326.0	FOM=	0.98
INDE	3	3	5	FOBS=	112.5	SIGMA=	5.1	PHAS=	195.6	FOM=	0.50
INDE	3	3	6	FOBS=	277.2	SIGMA=	1.9	PHAS=	213.8	FOM=	0.90
INDE	3	3	7	FOBS=	196.3	SIGMA=	3.0	PHAS=	262.7	FOM=	0.84
INDE	3	3	8	FOBS=	259.4	SIGMA=	2.4	PHAS=	172.6	FOM=	0.87
INDE	3	3	9	FOBS=	154.9	SIGMA=	5.5	PHAS=	354.9	FOM=	0.59
INDE	3	3	10	FOBS=	312.5	SIGMA=	2.8	PHAS=	290.5	FOM=	0.72
INDE	3	3	11	FOBS=	209.9	SIGMA=	4.6	PHAS=	250.0	FOM=	0.22
INDE	3	3	12	FOBS=	362.7	SIGMA=	2.5	PHAS=	327.5	FOM=	0.91
INDE	3	3	13	FOBS=	46.0	SIGMA=	26.7	PHAS=	334.1	FOM=	0.10
INDE	3	3	14	FOBS=	86.7	SIGMA=	11.9	PHAS=	196.9	FOM=	0.03
INDE	3	3	15	FOBS=	112.6	SIGMA=	7.9	PHAS=	147.5	FOM=	0.06
INDE	3	4	0	FOBS=	369.6	SIGMA=	0.9	PHAS=	264.3	FOM=	1.00
INDE	3	4	1	FOBS=	107.9	SIGMA=	2.5	PHAS=	59.9	FOM=	0.86
INDE	3	4	2	FOBS=	61.1	SIGMA=	5.0	PHAS=	302.4	FOM=	0.43
INDE	3	4	3	FOBS=	193.7	SIGMA=	1.9	PHAS=	23.9	FOM=	0.97
INDE	3	4	4	FOBS=	129.7	SIGMA=	3.7	PHAS=	284.8	FOM=	0.36
INDE	3	4	5	FOBS=	108.4	SIGMA=	4.2	PHAS=	70.4	FOM=	0.77
INDE	3	4	6	FOBS=	133.9	SIGMA=	4.8	PHAS=	298.1	FOM=	0.79
INDE	3	4	7	FOBS=	155.8	SIGMA=	3.9	PHAS=	231.2	FOM=	0.21
INDE	3	4	8	FOBS=	141.5	SIGMA=	5.1	PHAS=	105.2	FOM=	0.67
INDE	3	4	9	FOBS=	96.4	SIGMA=	8.9	PHAS=	7.3	FOM=	0.25
INDE	3	4	10	FOBS=	328.1	SIGMA=	2.4	PHAS=	335.4	FOM=	0.41
INDE	3	4	11	FOBS=	306.7	SIGMA=	2.9	PHAS=	44.5	FOM=	0.84
INDE	3	4	12	FOBS=	178.3	SIGMA=	5.3	PHAS=	256.4	FOM=	0.29
INDE	3	4	13	FOBS=	155.1	SIGMA=	6.0	PHAS=	85.0	FOM=	0.02
INDE	3	4	14	FOBS=	78.6	SIGMA=	14.9	PHAS=	50.6	FOM=	0.06
INDE	3	4	15	FOBS=	90.7	SIGMA=	44.3	PHAS=	238.2	FOM=	0.04
INDE	3	5	0	FOBS=	364.9	SIGMA=	1.1	PHAS=	86.1	FOM=	0.97
INDE	3	5	1	FOBS=	406.5	SIGMA=	1.0	PHAS=	335.2	FOM=	0.96
INDE	3	5	2	FOBS=	292.2	SIGMA=	1.2	PHAS=	93.8	FOM=	0.98
INDE	3	5	3	FOBS=	384.3	SIGMA=	1.1	PHAS=	163.5	FOM=	0.99
INDE	3	5	4	FOBS=	83.8	SIGMA=	4.9	PHAS=	185.3	FOM=	0.70
INDE	3	5	5	FOBS=	115.2	SIGMA=	4.2	PHAS=	10.8	FOM=	0.91
INDE	3	5	6	FOBS=	230.5	SIGMA=	2.3	PHAS=	178.7	FOM=	0.91
INDE	3	5	7	FOBS=	101.9	SIGMA=	6.7	PHAS=	209.8	FOM=	0.46

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INDE	3	5	8	FOBS =	153.9	SIGMA =	5.2	PHAS =	333.9	FOM =	0.83
INDE	3	5	9	FOBS =	234.2	SIGMA =	5.3	PHAS =	356.2	FOM =	0.24
INDE	3	5	10	FOBS =	139.2	SIGMA =	5.8	PHAS =	87.8	FOM =	0.08
INDE	3	5	11	FOBS =	146.5	SIGMA =	6.3	PHAS =	304.2	FOM =	0.03
INDE	3	5	12	FOBS =	103.1	SIGMA =	9.3	PHAS =	126.8	FOM =	0.06
INDE	3	5	13	FOBS =	51.5	SIGMA =	17.8	PHAS =	28.8	FOM =	0.10
INDE	3	5	14	FOBS =	118.4	SIGMA =	7.5	PHAS =	157.2	FOM =	0.22
INDE	3	5	15	FOBS =	92.0	SIGMA =	11.1	PHAS =	327.2	FOM =	0.03
INDE	3	6	0	FOBS =	183.7	SIGMA =	1.8	PHAS =	63.7	FOM =	0.18
INDE	3	6	1	FOBS =	183.6	SIGMA =	1.7	PHAS =	258.9	FOM =	0.96
INDE	3	6	2	FOBS =	382.2	SIGMA =	1.1	PHAS =	290.6	FOM =	0.98
INDE	3	6	3	FOBS =	116.1	SIGMA =	3.4	PHAS =	231.2	FOM =	0.84
INDE	3	6	4	FOBS =	114.2	SIGMA =	3.8	PHAS =	23.5	FOM =	0.75
INDE	3	6	5	FOBS =	223.2	SIGMA =	2.3	PHAS =	192.5	FOM =	0.94
INDE	3	6	6	FOBS =	151.0	SIGMA =	3.7	PHAS =	165.9	FOM =	0.16
INDE	3	6	7	FOBS =	202.5	SIGMA =	3.3	PHAS =	254.7	FOM =	0.16
INDE	3	6	8	FOBS =	223.1	SIGMA =	3.2	PHAS =	177.8	FOM =	0.43
INDE	3	6	9	FOBS =	242.1	SIGMA =	3.7	PHAS =	57.2	FOM =	0.94
INDE	3	6	10	FOBS =	175.5	SIGMA =	4.8	PHAS =	200.8	FOM =	0.68
INDE	3	6	11	FOBS =	109.1	SIGMA =	9.0	PHAS =	278.8	FOM =	0.10
INDE	3	6	12	FOBS =	169.3	SIGMA =	5.5	PHAS =	61.1	FOM =	0.47
INDE	3	6	13	FOBS =	158.3	SIGMA =	5.8	PHAS =	142.6	FOM =	0.06
INDE	3	6	14	FOBS =	52.9	SIGMA =	22.8	PHAS =	43.4	FOM =	0.10
INDE	3	6	15	FOBS =	142.3	SIGMA =	6.2	PHAS =	297.4	FOM =	0.08
INDE	3	7	0	FOBS =	363.7	SIGMA =	1.0	PHAS =	300.4	FOM =	0.96
INDE	3	7	1	FOBS =	102.3	SIGMA =	3.1	PHAS =	43.0	FOM =	0.92
INDE	3	7	2	FOBS =	139.7	SIGMA =	2.5	PHAS =	311.8	FOM =	0.92
INDE	3	7	3	FOBS =	97.6	SIGMA =	3.8	PHAS =	349.3	FOM =	0.50
INDE	3	7	4	FOBS =	164.7	SIGMA =	2.5	PHAS =	246.2	FOM =	0.57
INDE	3	7	5	FOBS =	124.6	SIGMA =	3.9	PHAS =	153.5	FOM =	0.24
INDE	3	7	6	FOBS =	42.1	SIGMA =	13.4	PHAS =	326.2	FOM =	0.25
INDE	3	7	7	FOBS =	58.1	SIGMA =	10.5	PHAS =	157.6	FOM =	0.09
INDE	3	7	8	FOBS =	180.3	SIGMA =	3.6	PHAS =	30.4	FOM =	0.24
INDE	3	7	9	FOBS =	451.4	SIGMA =	2.0	PHAS =	23.4	FOM =	0.56
INDE	3	7	10	FOBS =	153.2	SIGMA =	6.4	PHAS =	264.0	FOM =	0.10
INDE	3	7	11	FOBS =	160.1	SIGMA =	6.8	PHAS =	322.5	FOM =	0.03
INDE	3	7	12	FOBS =	133.5	SIGMA =	6.8	PHAS =	145.3	FOM =	0.46
INDE	3	7	13	FOBS =	117.7	SIGMA =	7.7	PHAS =	225.9	FOM =	0.42
INDE	3	7	14	FOBS =	142.4	SIGMA =	6.2	PHAS =	243.0	FOM =	0.09
INDE	3	7	15	FOBS =	102.3	SIGMA =	8.6	PHAS =	159.1	FOM =	0.17
INDE	3	8	0	FOBS =	199.0	SIGMA =	1.4	PHAS =	31.4	FOM =	0.92
INDE	3	8	1	FOBS =	305.6	SIGMA =	1.4	PHAS =	241.6	FOM =	1.00
INDE	3	8	2	FOBS =	295.7	SIGMA =	1.4	PHAS =	103.1	FOM =	0.88
INDE	3	8	3	FOBS =	77.6	SIGMA =	5.1	PHAS =	268.0	FOM =	0.40
INDE	3	8	4	FOBS =	168.9	SIGMA =	2.4	PHAS =	39.5	FOM =	0.90
INDE	3	8	5	FOBS =	198.3	SIGMA =	2.6	PHAS =	11.3	FOM =	0.27
INDE	3	8	6	FOBS =	62.4	SIGMA =	9.4	PHAS =	274.5	FOM =	0.19
INDE	3	8	7	FOBS =	183.7	SIGMA =	3.0	PHAS =	271.0	FOM =	0.93
INDE	3	8	8	FOBS =	241.5	SIGMA =	2.6	PHAS =	142.4	FOM =	0.72
INDE	3	8	9	FOBS =	182.2	SIGMA =	4.1	PHAS =	74.2	FOM =	0.42
INDE	3	8	10	FOBS =	111.6	SIGMA =	7.7	PHAS =	252.4	FOM =	0.40
INDE	3	8	11	FOBS =	201.9	SIGMA =	6.0	PHAS =	98.6	FOM =	0.22
INDE	3	8	12	FOBS =	363.4	SIGMA =	3.1	PHAS =	121.1	FOM =	0.21
INDE	3	8	13	FOBS =	147.4	SIGMA =	6.6	PHAS =	318.1	FOM =	0.44
INDE	3	8	14	FOBS =	129.1	SIGMA =	6.8	PHAS =	121.0	FOM =	0.38
INDE	3	8	15	FOBS =	46.1	SIGMA =	22.0	PHAS =	4.1	FOM =	0.14
INDE	3	9	0	FOBS =	122.0	SIGMA =	2.0	PHAS =	239.1	FOM =	1.00
INDE	3	9	1	FOBS =	435.5	SIGMA =	1.3	PHAS =	104.6	FOM =	0.85
INDE	3	9	2	FOBS =	60.2	SIGMA =	5.6	PHAS =	197.4	FOM =	0.76
INDE	3	9	3	FOBS =	103.0	SIGMA =	4.1	PHAS =	35.3	FOM =	0.84
INDE	3	9	4	FOBS =	171.7	SIGMA =	2.7	PHAS =	323.4	FOM =	0.88
INDE	3	9	5	FOBS =	78.9	SIGMA =	6.7	PHAS =	214.9	FOM =	0.38
INDE	3	9	6	FOBS =	172.2	SIGMA =	3.2	PHAS =	101.8	FOM =	0.08
INDE	3	9	7	FOBS =	197.1	SIGMA =	2.8	PHAS =	269.3	FOM =	0.93
INDE	3	9	8	FOBS =	389.9	SIGMA =	1.8	PHAS =	204.5	FOM =	0.92
INDE	3	9	9	FOBS =	224.7	SIGMA =	3.2	PHAS =	142.6	FOM =	0.43
INDE	3	9	10	FOBS =	292.0	SIGMA =	2.8	PHAS =	151.9	FOM =	0.92
INDE	3	9	11	FOBS =	117.3	SIGMA =	7.6	PHAS =	9.4	FOM =	0.23
INDE	3	9	12	FOBS =	142.5	SIGMA =	6.4	PHAS =	174.7	FOM =	0.25
INDE	3	9	13	FOBS =	176.4	SIGMA =	6.0	PHAS =	308.3	FOM =	0.07
INDE	3	9	14	FOBS =	43.6	SIGMA =	23.3	PHAS =	101.0	FOM =	0.10

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INDE	3	9	15	FOBS=	66.2	SIGMA=	14.9	PHAS=	298.9	FOM=	0.02
INDE	3	10	0	FOBS=	99.0	SIGMA=	2.5	PHAS=	263.5	FOM=	0.97
INDE	3	10	1	FOBS=	269.4	SIGMA=	1.3	PHAS=	278.7	FOM=	0.99
INDE	3	10	2	FOBS=	71.4	SIGMA=	4.9	PHAS=	278.1	FOM=	0.41
INDE	3	10	3	FOBS=	152.0	SIGMA=	3.2	PHAS=	92.9	FOM=	0.97
INDE	3	10	4	FOBS=	204.2	SIGMA=	2.8	PHAS=	215.9	FOM=	0.96
INDE	3	10	5	FOBS=	231.6	SIGMA=	2.3	PHAS=	23.9	FOM=	0.52
INDE	3	10	6	FOBS=	387.0	SIGMA=	1.5	PHAS=	121.3	FOM=	0.96
INDE	3	10	7	FOBS=	265.3	SIGMA=	2.5	PHAS=	266.1	FOM=	0.93
INDE	3	10	8	FOBS=	108.5	SIGMA=	6.0	PHAS=	62.6	FOM=	0.62
INDE	3	10	9	FOBS=	203.3	SIGMA=	3.5	PHAS=	163.9	FOM=	0.68
INDE	3	10	10	FOBS=	189.4	SIGMA=	4.4	PHAS=	309.5	FOM=	0.28
INDE	3	10	11	FOBS=	102.3	SIGMA=	8.1	PHAS=	335.2	FOM=	0.28
INDE	3	10	12	FOBS=	54.4	SIGMA=	21.6	PHAS=	230.1	FOM=	0.12
INDE	3	10	13	FOBS=	101.9	SIGMA=	8.2	PHAS=	19.0	FOM=	0.11
INDE	3	10	14	FOBS=	46.6	SIGMA=	20.6	PHAS=	100.5	FOM=	0.02
INDE	3	10	15	FOBS=	107.8	SIGMA=	9.0	PHAS=	288.0	FOM=	0.04
INDE	3	11	0	FOBS=	137.5	SIGMA=	2.3	PHAS=	293.7	FOM=	0.97
INDE	3	11	1	FOBS=	82.3	SIGMA=	4.2	PHAS=	88.2	FOM=	0.87
INDE	3	11	2	FOBS=	124.9	SIGMA=	2.9	PHAS=	240.5	FOM=	0.66
INDE	3	11	3	FOBS=	79.3	SIGMA=	5.4	PHAS=	175.2	FOM=	0.18
INDE	3	11	4	FOBS=	97.0	SIGMA=	5.6	PHAS=	95.1	FOM=	0.06
INDE	3	11	5	FOBS=	126.1	SIGMA=	4.1	PHAS=	154.7	FOM=	0.05
INDE	3	11	6	FOBS=	279.0	SIGMA=	2.0	PHAS=	83.8	FOM=	0.82
INDE	3	11	7	FOBS=	293.0	SIGMA=	2.0	PHAS=	185.4	FOM=	0.41
INDE	3	11	8	FOBS=	196.9	SIGMA=	3.3	PHAS=	0.1	FOM=	0.46
INDE	3	11	9	FOBS=	386.9	SIGMA=	2.0	PHAS=	152.7	FOM=	0.95
INDE	3	11	10	FOBS=	313.0	SIGMA=	2.6	PHAS=	29.1	FOM=	0.81
INDE	3	11	11	FOBS=	73.7	SIGMA=	11.2	PHAS=	20.3	FOM=	0.13
INDE	3	11	12	FOBS=	59.3	SIGMA=	16.1	PHAS=	143.7	FOM=	0.15
INDE	3	11	13	FOBS=	112.8	SIGMA=	7.4	PHAS=	284.8	FOM=	0.25
INDE	3	11	14	FOBS=	46.9	SIGMA=	20.2	PHAS=	127.9	FOM=	0.04
INDE	3	11	15	FOBS=	134.3	SIGMA=	10.5	PHAS=	354.8	FOM=	0.01
INDE	3	12	0	FOBS=	148.4	SIGMA=	2.0	PHAS=	348.6	FOM=	0.97
INDE	3	12	1	FOBS=	191.7	SIGMA=	1.8	PHAS=	271.4	FOM=	0.82
INDE	3	12	2	FOBS=	73.2	SIGMA=	5.6	PHAS=	341.9	FOM=	0.82
INDE	3	12	3	FOBS=	131.6	SIGMA=	3.5	PHAS=	0.6	FOM=	0.94
INDE	3	12	4	FOBS=	125.5	SIGMA=	3.7	PHAS=	136.3	FOM=	0.81
INDE	3	12	5	FOBS=	178.5	SIGMA=	3.0	PHAS=	219.4	FOM=	0.57
INDE	3	12	6	FOBS=	462.6	SIGMA=	1.5	PHAS=	267.1	FOM=	0.37
INDE	3	12	7	FOBS=	466.0	SIGMA=	1.5	PHAS=	235.6	FOM=	0.91
INDE	3	12	8	FOBS=	349.5	SIGMA=	2.2	PHAS=	152.5	FOM=	0.97
INDE	3	12	9	FOBS=	102.5	SIGMA=	6.9	PHAS=	294.1	FOM=	0.26
INDE	3	12	10	FOBS=	139.5	SIGMA=	5.6	PHAS=	353.1	FOM=	0.06
INDE	3	12	11	FOBS=	78.7	SIGMA=	11.1	PHAS=	45.2	FOM=	0.23
INDE	3	12	12	FOBS=	261.0	SIGMA=	13.2	PHAS=	275.6	FOM=	0.92
INDE	3	12	13	FOBS=	91.3	SIGMA=	8.9	PHAS=	166.7	FOM=	0.06
INDE	3	12	14	FOBS=	96.2	SIGMA=	8.4	PHAS=	126.1	FOM=	0.19
INDE	3	13	0	FOBS=	111.7	SIGMA=	2.8	PHAS=	115.1	FOM=	0.96
INDE	3	13	1	FOBS=	232.3	SIGMA=	1.6	PHAS=	95.2	FOM=	0.97
INDE	3	13	2	FOBS=	62.4	SIGMA=	6.5	PHAS=	27.8	FOM=	0.71
INDE	3	13	3	FOBS=	244.8	SIGMA=	1.8	PHAS=	71.7	FOM=	0.94
INDE	3	13	4	FOBS=	217.4	SIGMA=	2.1	PHAS=	303.8	FOM=	0.90
INDE	3	13	5	FOBS=	213.5	SIGMA=	2.3	PHAS=	209.6	FOM=	0.91
INDE	3	13	6	FOBS=	380.5	SIGMA=	1.8	PHAS=	312.8	FOM=	0.98
INDE	3	13	7	FOBS=	69.9	SIGMA=	8.5	PHAS=	359.8	FOM=	0.12
INDE	3	13	8	FOBS=	92.1	SIGMA=	6.7	PHAS=	334.8	FOM=	0.28
INDE	3	13	9	FOBS=	140.0	SIGMA=	5.3	PHAS=	120.1	FOM=	0.70
INDE	3	13	10	FOBS=	218.8	SIGMA=	3.6	PHAS=	25.3	FOM=	0.83
INDE	3	13	11	FOBS=	278.1	SIGMA=	2.8	PHAS=	329.5	FOM=	0.84
INDE	3	13	12	FOBS=	124.3	SIGMA=	6.4	PHAS=	115.5	FOM=	0.16
INDE	3	13	13	FOBS=	123.9	SIGMA=	6.6	PHAS=	25.7	FOM=	0.56
INDE	3	13	14	FOBS=	55.5	SIGMA=	16.2	PHAS=	189.3	FOM=	0.05
INDE	3	14	0	FOBS=	53.8	SIGMA=	5.9	PHAS=	148.4	FOM=	0.29
INDE	3	14	1	FOBS=	36.6	SIGMA=	12.7	PHAS=	216.1	FOM=	0.20
INDE	3	14	2	FOBS=	173.2	SIGMA=	2.2	PHAS=	27.5	FOM=	0.80
INDE	3	14	3	FOBS=	131.6	SIGMA=	3.4	PHAS=	124.0	FOM=	0.55
INDE	3	14	4	FOBS=	318.4	SIGMA=	1.6	PHAS=	191.3	FOM=	0.93
INDE	3	14	5	FOBS=	177.3	SIGMA=	2.8	PHAS=	19.6	FOM=	0.84
INDE	3	14	6	FOBS=	86.6	SIGMA=	6.3	PHAS=	73.1	FOM=	0.23
INDE	3	14	7	FOBS=	183.0	SIGMA=	3.6	PHAS=	239.3	FOM=	0.82

Fig. 10A-101

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INDE	3	14	8	FOBS=	471.6	SIGMA=	1.7	PHAS=	225.0	FOM=	0.96
INDE	3	14	9	FOBS=	162.1	SIGMA=	5.1	PHAS=	348.4	FOM=	0.83
INDE	3	14	10	FOBS=	156.9	SIGMA=	5.0	PHAS=	244.8	FOM=	0.71
INDE	3	14	11	FOBS=	85.6	SIGMA=	9.2	PHAS=	227.3	FOM=	0.13
INDE	3	14	12	FOBS=	154.4	SIGMA=	5.1	PHAS=	44.6	FOM=	0.21
INDE	3	14	13	FOBS=	74.4	SIGMA=	9.7	PHAS=	207.6	FOM=	0.10
INDE	3	14	14	FOBS=	41.0	SIGMA=	18.1	PHAS=	352.7	FOM=	0.02
INDE	3	15	0	FOBS=	188.5	SIGMA=	1.9	PHAS=	3.1	FOM=	0.48
INDE	3	15	1	FOBS=	125.8	SIGMA=	3.0	PHAS=	98.5	FOM=	0.90
INDE	3	15	2	FOBS=	109.8	SIGMA=	4.1	PHAS=	15.6	FOM=	0.96
INDE	3	15	3	FOBS=	178.0	SIGMA=	2.3	PHAS=	194.5	FOM=	0.52
INDE	3	15	4	FOBS=	54.5	SIGMA=	8.1	PHAS=	288.5	FOM=	0.65
INDE	3	15	5	FOBS=	328.1	SIGMA=	1.7	PHAS=	55.2	FOM=	0.99
INDE	3	15	6	FOBS=	137.5	SIGMA=	4.1	PHAS=	338.3	FOM=	0.89
INDE	3	15	7	FOBS=	60.3	SIGMA=	11.1	PHAS=	204.6	FOM=	0.13
INDE	3	15	8	FOBS=	291.2	SIGMA=	2.6	PHAS=	354.0	FOM=	0.91
INDE	3	15	9	FOBS=	249.3	SIGMA=	3.2	PHAS=	317.0	FOM=	0.76
INDE	3	15	10	FOBS=	58.0	SIGMA=	13.5	PHAS=	60.5	FOM=	0.07
INDE	3	15	11	FOBS=	65.4	SIGMA=	11.5	PHAS=	224.4	FOM=	0.09
INDE	3	15	12	FOBS=	65.5	SIGMA=	14.2	PHAS=	117.1	FOM=	0.22
INDE	3	15	13	FOBS=	97.4	SIGMA=	7.7	PHAS=	311.6	FOM=	0.18
INDE	3	15	14	FOBS=	79.5	SIGMA=	9.8	PHAS=	48.7	FOM=	0.08
INDE	3	16	0	FOBS=	136.1	SIGMA=	2.5	PHAS=	146.4	FOM=	0.69
INDE	3	16	1	FOBS=	276.0	SIGMA=	1.5	PHAS=	88.9	FOM=	1.00
INDE	3	16	2	FOBS=	232.6	SIGMA=	1.9	PHAS=	288.4	FOM=	0.73
INDE	3	16	3	FOBS=	302.7	SIGMA=	1.6	PHAS=	202.7	FOM=	0.99
INDE	3	16	4	FOBS=	113.0	SIGMA=	4.1	PHAS=	341.6	FOM=	0.74
INDE	3	16	5	FOBS=	53.2	SIGMA=	9.5	PHAS=	338.1	FOM=	0.07
INDE	3	16	6	FOBS=	192.0	SIGMA=	2.9	PHAS=	248.4	FOM=	0.73
INDE	3	16	7	FOBS=	263.5	SIGMA=	2.3	PHAS=	300.8	FOM=	0.38
INDE	3	16	8	FOBS=	234.6	SIGMA=	3.2	PHAS=	218.0	FOM=	0.10
INDE	3	16	9	FOBS=	227.5	SIGMA=	3.5	PHAS=	129.0	FOM=	0.33
INDE	3	16	10	FOBS=	189.5	SIGMA=	4.4	PHAS=	278.3	FOM=	0.46
INDE	3	16	11	FOBS=	178.4	SIGMA=	4.3	PHAS=	22.9	FOM=	0.34
INDE	3	16	12	FOBS=	91.1	SIGMA=	8.1	PHAS=	20.1	FOM=	0.15
INDE	3	16	13	FOBS=	53.4	SIGMA=	24.2	PHAS=	264.8	FOM=	0.15
INDE	3	17	0	FOBS=	210.4	SIGMA=	2.0	PHAS=	197.9	FOM=	0.98
INDE	3	17	1	FOBS=	192.3	SIGMA=	2.0	PHAS=	0.2	FOM=	0.85
INDE	3	17	2	FOBS=	373.7	SIGMA=	1.3	PHAS=	238.8	FOM=	1.00
INDE	3	17	3	FOBS=	217.4	SIGMA=	2.1	PHAS=	117.1	FOM=	0.95
INDE	3	17	4	FOBS=	425.1	SIGMA=	1.3	PHAS=	350.4	FOM=	0.87
INDE	3	17	5	FOBS=	160.1	SIGMA=	3.2	PHAS=	209.4	FOM=	0.67
INDE	3	17	6	FOBS=	145.9	SIGMA=	4.0	PHAS=	4.9	FOM=	0.88
INDE	3	17	7	FOBS=	250.1	SIGMA=	2.5	PHAS=	88.0	FOM=	0.67
INDE	3	17	8	FOBS=	304.3	SIGMA=	2.3	PHAS=	199.9	FOM=	0.40
INDE	3	17	9	FOBS=	124.0	SIGMA=	6.5	PHAS=	249.8	FOM=	0.70
INDE	3	17	10	FOBS=	329.2	SIGMA=	2.8	PHAS=	285.1	FOM=	0.89
INDE	3	17	11	FOBS=	70.8	SIGMA=	10.7	PHAS=	339.5	FOM=	0.12
INDE	3	17	12	FOBS=	76.8	SIGMA=	9.3	PHAS=	232.6	FOM=	0.27
INDE	3	17	13	FOBS=	70.7	SIGMA=	10.6	PHAS=	47.7	FOM=	0.02
INDE	3	18	0	FOBS=	449.8	SIGMA=	1.3	PHAS=	178.6	FOM=	0.94
INDE	3	18	1	FOBS=	122.1	SIGMA=	3.3	PHAS=	162.4	FOM=	0.86
INDE	3	18	2	FOBS=	330.3	SIGMA=	1.5	PHAS=	283.9	FOM=	0.94
INDE	3	18	3	FOBS=	664.6	SIGMA=	1.1	PHAS=	101.1	FOM=	0.99
INDE	3	18	4	FOBS=	76.8	SIGMA=	5.9	PHAS=	299.6	FOM=	0.24
INDE	3	18	5	FOBS=	87.2	SIGMA=	5.7	PHAS=	57.2	FOM=	0.62
INDE	3	18	6	FOBS=	270.8	SIGMA=	2.2	PHAS=	202.5	FOM=	0.93
INDE	3	18	7	FOBS=	173.5	SIGMA=	3.7	PHAS=	17.6	FOM=	0.54
INDE	3	18	8	FOBS=	190.4	SIGMA=	3.5	PHAS=	205.9	FOM=	0.12
INDE	3	18	9	FOBS=	291.8	SIGMA=	2.4	PHAS=	329.9	FOM=	0.65
INDE	3	18	10	FOBS=	74.6	SIGMA=	10.9	PHAS=	297.4	FOM=	0.05
INDE	3	18	11	FOBS=	117.2	SIGMA=	130.9	PHAS=	185.7	FOM=	0.08
INDE	3	18	12	FOBS=	88.2	SIGMA=	8.1	PHAS=	349.1	FOM=	0.03
INDE	3	18	13	FOBS=	82.5	SIGMA=	8.7	PHAS=	21.0	FOM=	0.07
INDE	3	19	0	FOBS=	122.4	SIGMA=	3.2	PHAS=	148.5	FOM=	0.79
INDE	3	19	1	FOBS=	150.2	SIGMA=	2.5	PHAS=	250.8	FOM=	0.93
INDE	3	19	2	FOBS=	348.1	SIGMA=	1.5	PHAS=	148.7	FOM=	0.94
INDE	3	19	3	FOBS=	219.5	SIGMA=	2.1	PHAS=	261.4	FOM=	0.50
INDE	3	19	4	FOBS=	331.0	SIGMA=	1.7	PHAS=	283.0	FOM=	0.94
INDE	3	19	5	FOBS=	372.0	SIGMA=	1.6	PHAS=	267.2	FOM=	0.95
INDE	3	19	6	FOBS=	116.3	SIGMA=	4.9	PHAS=	253.3	FOM=	0.05

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INDE	3	19	7	FOBS=	201.8	SIGMA=	3.1	PHAS=	167.0	FOM=	0.53
INDE	3	19	8	FOBS=	84.9	SIGMA=	7.5	PHAS=	350.7	FOM=	0.31
INDE	3	19	9	FOBS=	95.6	SIGMA=	6.8	PHAS=	285.1	FOM=	0.16
INDE	3	19	10	FOBS=	110.9	SIGMA=	6.3	PHAS=	144.3	FOM=	0.25
INDE	3	19	11	FOBS=	179.0	SIGMA=	5.2	PHAS=	323.8	FOM=	0.66
INDE	3	19	12	FOBS=	86.5	SIGMA=	8.7	PHAS=	307.8	FOM=	0.03
INDE	3	19	13	FOBS=	156.4	SIGMA=	24.0	PHAS=	202.3	FOM=	0.05
INDE	3	20	0	FOBS=	324.6	SIGMA=	1.4	PHAS=	103.4	FOM=	0.96
INDE	3	20	1	FOBS=	217.5	SIGMA=	1.9	PHAS=	350.8	FOM=	0.59
INDE	3	20	2	FOBS=	249.6	SIGMA=	1.8	PHAS=	336.2	FOM=	0.96
INDE	3	20	3	FOBS=	77.6	SIGMA=	5.9	PHAS=	174.9	FOM=	0.34
INDE	3	20	4	FOBS=	167.2	SIGMA=	3.0	PHAS=	252.4	FOM=	0.71
INDE	3	20	5	FOBS=	184.3	SIGMA=	2.9	PHAS=	201.6	FOM=	0.44
INDE	3	20	6	FOBS=	436.0	SIGMA=	1.7	PHAS=	302.4	FOM=	0.98
INDE	3	20	7	FOBS=	286.9	SIGMA=	2.2	PHAS=	345.4	FOM=	0.04
INDE	3	20	8	FOBS=	131.3	SIGMA=	4.9	PHAS=	166.2	FOM=	0.05
INDE	3	20	9	FOBS=	73.6	SIGMA=	8.8	PHAS=	255.7	FOM=	0.23
INDE	3	20	10	FOBS=	210.4	SIGMA=	3.2	PHAS=	349.6	FOM=	0.49
INDE	3	20	11	FOBS=	106.1	SIGMA=	7.0	PHAS=	36.4	FOM=	0.40
INDE	3	20	12	FOBS=	44.6	SIGMA=	18.3	PHAS=	246.7	FOM=	0.10
INDE	3	21	0	FOBS=	267.8	SIGMA=	1.7	PHAS=	316.6	FOM=	0.96
INDE	3	21	1	FOBS=	132.1	SIGMA=	3.8	PHAS=	77.5	FOM=	0.79
INDE	3	21	2	FOBS=	199.2	SIGMA=	2.2	PHAS=	321.0	FOM=	0.60
INDE	3	21	3	FOBS=	271.4	SIGMA=	1.9	PHAS=	43.1	FOM=	0.98
INDE	3	21	4	FOBS=	107.9	SIGMA=	5.0	PHAS=	241.4	FOM=	0.53
INDE	3	21	5	FOBS=	218.8	SIGMA=	2.6	PHAS=	184.8	FOM=	0.13
INDE	3	21	6	FOBS=	188.7	SIGMA=	3.1	PHAS=	62.4	FOM=	0.67
INDE	3	21	7	FOBS=	42.8	SIGMA=	19.7	PHAS=	342.2	FOM=	0.16
INDE	3	21	8	FOBS=	63.2	SIGMA=	15.0	PHAS=	184.3	FOM=	0.09
INDE	3	21	9	FOBS=	221.9	SIGMA=	3.0	PHAS=	107.7	FOM=	0.49
INDE	3	21	10	FOBS=	54.1	SIGMA=	14.8	PHAS=	11.4	FOM=	0.29
INDE	3	21	11	FOBS=	101.5	SIGMA=	6.4	PHAS=	264.0	FOM=	0.14
INDE	3	21	12	FOBS=	51.1	SIGMA=	15.1	PHAS=	214.1	FOM=	0.09
INDE	3	22	0	FOBS=	139.7	SIGMA=	3.1	PHAS=	300.7	FOM=	0.34
INDE	3	22	1	FOBS=	110.9	SIGMA=	4.6	PHAS=	106.7	FOM=	0.85
INDE	3	22	2	FOBS=	326.2	SIGMA=	1.6	PHAS=	19.4	FOM=	0.98
INDE	3	22	3	FOBS=	256.7	SIGMA=	2.0	PHAS=	25.0	FOM=	0.25
INDE	3	22	4	FOBS=	228.7	SIGMA=	2.5	PHAS=	241.6	FOM=	0.75
INDE	3	22	5	FOBS=	288.5	SIGMA=	2.1	PHAS=	182.5	FOM=	0.24
INDE	3	22	6	FOBS=	172.6	SIGMA=	3.3	PHAS=	115.9	FOM=	0.38
INDE	3	22	7	FOBS=	77.0	SIGMA=	7.5	PHAS=	214.6	FOM=	0.48
INDE	3	22	8	FOBS=	121.0	SIGMA=	5.1	PHAS=	103.4	FOM=	0.72
INDE	3	22	9	FOBS=	227.3	SIGMA=	2.8	PHAS=	348.8	FOM=	0.75
INDE	3	22	10	FOBS=	144.6	SIGMA=	4.5	PHAS=	338.2	FOM=	0.53
INDE	3	22	11	FOBS=	36.1	SIGMA=	17.6	PHAS=	163.9	FOM=	0.14
INDE	3	23	0	FOBS=	137.7	SIGMA=	3.1	PHAS=	246.0	FOM=	0.21
INDE	3	23	1	FOBS=	158.5	SIGMA=	2.8	PHAS=	151.8	FOM=	0.89
INDE	3	23	2	FOBS=	76.9	SIGMA=	6.1	PHAS=	359.7	FOM=	0.45
INDE	3	23	3	FOBS=	289.8	SIGMA=	1.9	PHAS=	141.5	FOM=	0.52
INDE	3	23	4	FOBS=	214.5	SIGMA=	2.4	PHAS=	44.0	FOM=	0.96
INDE	3	23	5	FOBS=	64.5	SIGMA=	8.4	PHAS=	100.8	FOM=	0.50
INDE	3	23	6	FOBS=	41.0	SIGMA=	16.4	PHAS=	221.0	FOM=	0.24
INDE	3	23	7	FOBS=	136.5	SIGMA=	4.3	PHAS=	319.1	FOM=	0.25
INDE	3	23	8	FOBS=	143.4	SIGMA=	4.3	PHAS=	139.9	FOM=	0.74
INDE	3	23	9	FOBS=	123.5	SIGMA=	5.0	PHAS=	329.9	FOM=	0.49
INDE	3	23	10	FOBS=	126.1	SIGMA=	4.9	PHAS=	260.1	FOM=	0.19
INDE	3	23	11	FOBS=	160.5	SIGMA=	4.0	PHAS=	265.5	FOM=	0.14
INDE	3	24	0	FOBS=	357.2	SIGMA=	1.5	PHAS=	311.7	FOM=	0.86
INDE	3	24	1	FOBS=	110.5	SIGMA=	4.2	PHAS=	352.7	FOM=	0.69
INDE	3	24	2	FOBS=	180.4	SIGMA=	3.1	PHAS=	303.4	FOM=	0.03
INDE	3	24	3	FOBS=	150.8	SIGMA=	3.6	PHAS=	191.0	FOM=	0.90
INDE	3	24	4	FOBS=	122.4	SIGMA=	4.5	PHAS=	101.2	FOM=	0.82
INDE	3	24	5	FOBS=	160.7	SIGMA=	3.6	PHAS=	269.7	FOM=	0.19
INDE	3	24	6	FOBS=	113.4	SIGMA=	5.1	PHAS=	143.3	FOM=	0.52
INDE	3	24	7	FOBS=	254.8	SIGMA=	2.4	PHAS=	270.6	FOM=	0.90
INDE	3	24	8	FOBS=	71.0	SIGMA=	8.3	PHAS=	111.5	FOM=	0.10
INDE	3	24	9	FOBS=	36.5	SIGMA=	18.2	PHAS=	193.8	FOM=	0.05
INDE	3	24	10	FOBS=	95.3	SIGMA=	6.4	PHAS=	328.9	FOM=	0.05
INDE	3	25	0	FOBS=	260.9	SIGMA=	1.9	PHAS=	14.1	FOM=	0.98
INDE	3	25	1	FOBS=	249.9	SIGMA=	2.0	PHAS=	328.5	FOM=	0.97
INDE	3	25	2	FOBS=	130.8	SIGMA=	4.3	PHAS=	218.3	FOM=	0.85

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INDE	3	25	3	FOBS=	190.6	SIGMA=	2.6	PHAS=	213.1	FOM=	0.90
INDE	3	25	4	FOBS=	47.4	SIGMA=	30.1	PHAS=	254.9	FOM=	0.16
INDE	3	25	5	FOBS=	185.5	SIGMA=	3.1	PHAS=	145.4	FOM=	0.92
INDE	3	25	6	FOBS=	87.4	SIGMA=	6.4	PHAS=	277.6	FOM=	0.05
INDE	3	25	7	FOBS=	65.8	SIGMA=	8.8	PHAS=	111.9	FOM=	0.11
INDE	3	25	8	FOBS=	99.9	SIGMA=	5.8	PHAS=	114.2	FOM=	0.48
INDE	3	25	9	FOBS=	139.9	SIGMA=	4.3	PHAS=	334.8	FOM=	0.50
INDE	3	25	10	FOBS=	44.1	SIGMA=	19.6	PHAS=	71.5	FOM=	0.11
INDE	3	26	0	FOBS=	56.9	SIGMA=	7.9	PHAS=	267.8	FOM=	0.34
INDE	3	26	1	FOBS=	245.1	SIGMA=	2.0	PHAS=	267.2	FOM=	0.84
INDE	3	26	2	FOBS=	65.3	SIGMA=	8.4	PHAS=	322.1	FOM=	0.16
INDE	3	26	3	FOBS=	96.0	SIGMA=	5.0	PHAS=	190.0	FOM=	0.08
INDE	3	26	4	FOBS=	316.9	SIGMA=	1.9	PHAS=	277.5	FOM=	0.91
INDE	3	26	5	FOBS=	241.7	SIGMA=	2.3	PHAS=	45.9	FOM=	0.87
INDE	3	26	6	FOBS=	89.1	SIGMA=	6.2	PHAS=	156.4	FOM=	0.09
INDE	3	26	7	FOBS=	59.9	SIGMA=	39.0	PHAS=	158.2	FOM=	0.02
INDE	3	26	8	FOBS=	108.8	SIGMA=	5.1	PHAS=	213.8	FOM=	0.05
INDE	3	26	9	FOBS=	109.1	SIGMA=	5.2	PHAS=	306.9	FOM=	0.09
INDE	3	27	0	FOBS=	188.9	SIGMA=	2.3	PHAS=	23.6	FOM=	0.99
INDE	3	27	1	FOBS=	38.4	SIGMA=	11.0	PHAS=	359.8	FOM=	0.29
INDE	3	27	2	FOBS=	228.6	SIGMA=	2.1	PHAS=	93.8	FOM=	0.94
INDE	3	27	3	FOBS=	222.5	SIGMA=	2.5	PHAS=	324.4	FOM=	0.17
INDE	3	27	4	FOBS=	63.9	SIGMA=	8.1	PHAS=	67.5	FOM=	0.14
INDE	3	27	5	FOBS=	88.7	SIGMA=	5.6	PHAS=	223.6	FOM=	0.19
INDE	3	27	6	FOBS=	160.1	SIGMA=	3.5	PHAS=	344.3	FOM=	0.51
INDE	3	27	7	FOBS=	108.7	SIGMA=	5.1	PHAS=	282.2	FOM=	0.23
INDE	3	27	8	FOBS=	81.2	SIGMA=	6.7	PHAS=	99.9	FOM=	0.19
INDE	3	27	9	FOBS=	190.4	SIGMA=	15.1	PHAS=	304.9	FOM=	0.05
INDE	3	28	0	FOBS=	114.5	SIGMA=	3.9	PHAS=	190.7	FOM=	0.53
INDE	3	28	1	FOBS=	156.8	SIGMA=	2.9	PHAS=	27.9	FOM=	0.49
INDE	3	28	2	FOBS=	84.1	SIGMA=	5.3	PHAS=	26.2	FOM=	0.23
INDE	3	28	3	FOBS=	81.9	SIGMA=	6.9	PHAS=	213.9	FOM=	0.45
INDE	3	28	4	FOBS=	134.5	SIGMA=	3.7	PHAS=	68.2	FOM=	0.66
INDE	3	28	5	FOBS=	98.5	SIGMA=	5.1	PHAS=	313.0	FOM=	0.39
INDE	3	28	6	FOBS=	244.0	SIGMA=	2.4	PHAS=	88.8	FOM=	0.93
INDE	3	28	7	FOBS=	46.9	SIGMA=	12.7	PHAS=	10.0	FOM=	0.14
INDE	3	28	8	FOBS=	85.2	SIGMA=	7.0	PHAS=	321.9	FOM=	0.05
INDE	3	29	0	FOBS=	203.5	SIGMA=	2.2	PHAS=	199.2	FOM=	0.65
INDE	3	29	1	FOBS=	85.1	SIGMA=	5.1	PHAS=	33.2	FOM=	0.38
INDE	3	29	2	FOBS=	49.7	SIGMA=	8.8	PHAS=	217.2	FOM=	0.42
INDE	3	29	3	FOBS=	210.7	SIGMA=	2.6	PHAS=	272.5	FOM=	0.72
INDE	3	29	4	FOBS=	174.2	SIGMA=	2.8	PHAS=	63.4	FOM=	0.62
INDE	3	29	5	FOBS=	58.5	SIGMA=	8.5	PHAS=	227.4	FOM=	0.23
INDE	3	29	6	FOBS=	131.4	SIGMA=	4.1	PHAS=	72.3	FOM=	0.78
INDE	3	29	7	FOBS=	68.8	SIGMA=	8.7	PHAS=	308.2	FOM=	0.27
INDE	3	30	0	FOBS=	59.8	SIGMA=	7.1	PHAS=	237.3	FOM=	0.20
INDE	3	30	1	FOBS=	126.9	SIGMA=	3.6	PHAS=	149.4	FOM=	0.57
INDE	3	30	2	FOBS=	300.8	SIGMA=	1.7	PHAS=	16.1	FOM=	0.84
INDE	3	30	3	FOBS=	65.8	SIGMA=	7.1	PHAS=	292.0	FOM=	0.91
INDE	3	30	4	FOBS=	89.0	SIGMA=	6.0	PHAS=	65.0	FOM=	0.37
INDE	3	30	5	FOBS=	174.3	SIGMA=	2.8	PHAS=	152.5	FOM=	0.08
INDE	3	30	6	FOBS=	82.3	SIGMA=	7.0	PHAS=	229.6	FOM=	0.23
INDE	3	31	0	FOBS=	145.3	SIGMA=	3.0	PHAS=	176.7	FOM=	0.73
INDE	3	31	1	FOBS=	39.9	SIGMA=	11.5	PHAS=	257.4	FOM=	0.06
INDE	3	31	2	FOBS=	116.9	SIGMA=	3.9	PHAS=	58.9	FOM=	0.76
INDE	3	31	3	FOBS=	43.4	SIGMA=	10.2	PHAS=	138.0	FOM=	0.12
INDE	3	31	4	FOBS=	186.7	SIGMA=	3.0	PHAS=	227.7	FOM=	0.42
INDE	3	31	5	FOBS=	62.7	SIGMA=	15.5	PHAS=	347.2	FOM=	0.17
INDE	3	32	0	FOBS=	122.7	SIGMA=	3.5	PHAS=	305.6	FOM=	0.30
INDE	3	32	1	FOBS=	254.4	SIGMA=	1.8	PHAS=	54.3	FOM=	0.92
INDE	3	32	2	FOBS=	134.4	SIGMA=	3.5	PHAS=	161.6	FOM=	0.64
INDE	3	32	3	FOBS=	59.8	SIGMA=	7.6	PHAS=	316.7	FOM=	0.07
INDE	3	33	0	FOBS=	74.9	SIGMA=	24.8	PHAS=	126.6	FOM=	0.06
INDE	4	0	0	FOBS=	638.0	SIGMA=	1.0	PHAS=	0.0	FOM=	0.87
INDE	4	0	1	FOBS=	74.9	SIGMA=	6.0	PHAS=	180.0	FOM=	0.93
INDE	4	0	2	FOBS=	59.3	SIGMA=	9.7	PHAS=	0.0	FOM=	0.11
INDE	4	0	3	FOBS=	35.7	SIGMA=	23.1	PHAS=	180.0	FOM=	0.14
INDE	4	0	4	FOBS=	241.5	SIGMA=	2.7	PHAS=	0.0	FOM=	0.04
INDE	4	0	5	FOBS=	71.8	SIGMA=	10.6	PHAS=	0.0	FOM=	0.29
INDE	4	0	6	FOBS=	35.4	SIGMA=	23.7	PHAS=	180.0	FOM=	0.25
INDE	4	0	7	FOBS=	58.4	SIGMA=	17.0	PHAS=	0.0	FOM=	0.25

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INDE	4	0	8	FOBS=	212.4	SIGMA=	4.6	PHAS=	180.0	FOM=	0.51
INDE	4	0	9	FOBS=	210.5	SIGMA=	6.1	PHAS=	180.0	FOM=	0.01
INDE	4	0	10	FOBS=	306.9	SIGMA=	4.0	PHAS=	0.0	FOM=	0.78
INDE	4	0	11	FOBS=	173.8	SIGMA=	10.0	PHAS=	180.0	FOM=	0.05
INDE	4	0	12	FOBS=	58.6	SIGMA=	23.8	PHAS=	0.0	FOM=	0.00
INDE	4	0	13	FOBS=	63.0	SIGMA=	25.0	PHAS=	0.0	FOM=	0.11
INDE	4	0	14	FOBS=	89.8	SIGMA=	14.9	PHAS=	180.0	FOM=	0.04
INDE	4	1	0	FOBS=	369.5	SIGMA=	1.0	PHAS=	93.8	FOM=	1.00
INDE	4	1	1	FOBS=	807.4	SIGMA=	0.7	PHAS=	87.9	FOM=	1.00
INDE	4	1	2	FOBS=	399.4	SIGMA=	1.1	PHAS=	117.8	FOM=	0.97
INDE	4	1	3	FOBS=	165.5	SIGMA=	2.3	PHAS=	4.4	FOM=	0.94
INDE	4	1	4	FOBS=	266.4	SIGMA=	2.0	PHAS=	118.1	FOM=	0.95
INDE	4	1	5	FOBS=	185.5	SIGMA=	2.7	PHAS=	245.4	FOM=	0.43
INDE	4	1	6	FOBS=	45.2	SIGMA=	12.9	PHAS=	154.5	FOM=	0.03
INDE	4	1	7	FOBS=	50.1	SIGMA=	14.0	PHAS=	283.2	FOM=	0.27
INDE	4	1	8	FOBS=	272.3	SIGMA=	2.6	PHAS=	179.9	FOM=	0.96
INDE	4	1	9	FOBS=	211.0	SIGMA=	4.4	PHAS=	308.2	FOM=	0.66
INDE	4	1	10	FOBS=	299.7	SIGMA=	2.8	PHAS=	199.6	FOM=	0.48
INDE	4	1	11	FOBS=	218.3	SIGMA=	5.2	PHAS=	207.8	FOM=	0.20
INDE	4	1	12	FOBS=	255.2	SIGMA=	4.1	PHAS=	35.5	FOM=	0.83
INDE	4	1	13	FOBS=	64.7	SIGMA=	15.9	PHAS=	215.5	FOM=	0.05
INDE	4	1	14	FOBS=	94.4	SIGMA=	109.9	PHAS=	130.0	FOM=	0.10
INDE	4	1	15	FOBS=	98.7	SIGMA=	9.1	PHAS=	330.3	FOM=	0.07
INDE	4	2	0	FOBS=	424.6	SIGMA=	1.1	PHAS=	65.7	FOM=	0.69
INDE	4	2	1	FOBS=	50.4	SIGMA=	5.5	PHAS=	150.7	FOM=	0.64
INDE	4	2	2	FOBS=	363.9	SIGMA=	1.1	PHAS=	29.0	FOM=	1.00
INDE	4	2	3	FOBS=	447.7	SIGMA=	1.1	PHAS=	152.6	FOM=	0.90
INDE	4	2	4	FOBS=	212.7	SIGMA=	2.1	PHAS=	19.1	FOM=	0.96
INDE	4	2	5	FOBS=	161.8	SIGMA=	3.9	PHAS=	276.9	FOM=	0.93
INDE	4	2	6	FOBS=	165.7	SIGMA=	3.6	PHAS=	127.9	FOM=	0.86
INDE	4	2	7	FOBS=	264.6	SIGMA=	2.4	PHAS=	69.0	FOM=	0.95
INDE	4	2	8	FOBS=	228.5	SIGMA=	3.2	PHAS=	294.3	FOM=	0.85
INDE	4	2	9	FOBS=	221.3	SIGMA=	3.9	PHAS=	259.9	FOM=	0.25
INDE	4	2	10	FOBS=	324.4	SIGMA=	2.6	PHAS=	255.3	FOM=	0.82
INDE	4	2	11	FOBS=	354.3	SIGMA=	3.7	PHAS=	245.6	FOM=	0.04
INDE	4	2	12	FOBS=	130.5	SIGMA=	7.9	PHAS=	22.0	FOM=	0.04
INDE	4	2	13	FOBS=	145.8	SIGMA=	6.5	PHAS=	327.4	FOM=	0.02
INDE	4	2	14	FOBS=	45.9	SIGMA=	21.1	PHAS=	138.5	FOM=	0.09
INDE	4	2	15	FOBS=	90.5	SIGMA=	56.0	PHAS=	29.7	FOM=	0.01
INDE	4	3	0	FOBS=	350.4	SIGMA=	1.1	PHAS=	8.5	FOM=	0.88
INDE	4	3	1	FOBS=	309.6	SIGMA=	1.1	PHAS=	311.0	FOM=	1.00
INDE	4	3	2	FOBS=	599.1	SIGMA=	0.9	PHAS=	69.6	FOM=	0.62
INDE	4	3	3	FOBS=	207.6	SIGMA=	1.9	PHAS=	297.6	FOM=	1.00
INDE	4	3	4	FOBS=	92.0	SIGMA=	5.0	PHAS=	221.7	FOM=	0.88
INDE	4	3	5	FOBS=	119.3	SIGMA=	4.4	PHAS=	159.3	FOM=	0.10
INDE	4	3	6	FOBS=	177.2	SIGMA=	3.8	PHAS=	93.2	FOM=	0.92
INDE	4	3	7	FOBS=	291.0	SIGMA=	2.2	PHAS=	344.9	FOM=	0.99
INDE	4	3	8	FOBS=	265.3	SIGMA=	2.7	PHAS=	297.1	FOM=	0.31
INDE	4	3	9	FOBS=	288.8	SIGMA=	2.8	PHAS=	26.9	FOM=	0.54
INDE	4	3	10	FOBS=	100.1	SIGMA=	9.4	PHAS=	40.0	FOM=	0.01
INDE	4	3	11	FOBS=	123.1	SIGMA=	11.2	PHAS=	353.0	FOM=	0.06
INDE	4	3	12	FOBS=	86.1	SIGMA=	10.8	PHAS=	18.1	FOM=	0.11
INDE	4	3	13	FOBS=	88.1	SIGMA=	11.2	PHAS=	176.7	FOM=	0.21
INDE	4	3	14	FOBS=	82.1	SIGMA=	10.9	PHAS=	56.8	FOM=	0.15
INDE	4	3	15	FOBS=	78.9	SIGMA=	13.5	PHAS=	318.6	FOM=	0.02
INDE	4	4	0	FOBS=	174.8	SIGMA=	1.8	PHAS=	227.8	FOM=	1.00
INDE	4	4	1	FOBS=	160.9	SIGMA=	2.3	PHAS=	169.9	FOM=	0.99
INDE	4	4	2	FOBS=	166.6	SIGMA=	2.1	PHAS=	283.3	FOM=	0.96
INDE	4	4	3	FOBS=	60.6	SIGMA=	6.1	PHAS=	57.3	FOM=	0.84
INDE	4	4	4	FOBS=	94.4	SIGMA=	4.6	PHAS=	80.6	FOM=	0.60
INDE	4	4	5	FOBS=	148.6	SIGMA=	3.5	PHAS=	88.3	FOM=	0.41
INDE	4	4	6	FOBS=	131.7	SIGMA=	4.5	PHAS=	238.9	FOM=	0.20
INDE	4	4	7	FOBS=	167.4	SIGMA=	4.6	PHAS=	69.2	FOM=	0.25
INDE	4	4	8	FOBS=	241.7	SIGMA=	2.9	PHAS=	85.4	FOM=	0.65
INDE	4	4	9	FOBS=	186.7	SIGMA=	4.8	PHAS=	95.2	FOM=	0.51
INDE	4	4	10	FOBS=	166.8	SIGMA=	6.1	PHAS=	330.6	FOM=	0.34
INDE	4	4	11	FOBS=	203.6	SIGMA=	5.3	PHAS=	231.0	FOM=	0.40
INDE	4	4	12	FOBS=	106.3	SIGMA=	9.1	PHAS=	189.3	FOM=	0.20
INDE	4	4	13	FOBS=	117.9	SIGMA=	8.0	PHAS=	38.6	FOM=	0.15
INDE	4	4	14	FOBS=	69.3	SIGMA=	53.1	PHAS=	309.5	FOM=	0.12
INDE	4	4	15	FOBS=	46.8	SIGMA=	20.5	PHAS=	150.8	FOM=	0.10

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INDE	4	5	0	FOBS=	147.8	SIGMA=	2.1	PHAS=	94.9	FOM=	0.94
INDE	4	5	1	FOBS=	349.5	SIGMA=	1.3	PHAS=	18.7	FOM=	0.94
INDE	4	5	2	FOBS=	333.6	SIGMA=	1.3	PHAS=	62.9	FOM=	0.82
INDE	4	5	3	FOBS=	196.5	SIGMA=	2.1	PHAS=	309.3	FOM=	0.83
INDE	4	5	4	FOBS=	172.4	SIGMA=	2.6	PHAS=	263.4	FOM=	0.84
INDE	4	5	5	FOBS=	54.2	SIGMA=	10.1	PHAS=	302.2	FOM=	0.13
INDE	4	5	6	FOBS=	145.4	SIGMA=	4.0	PHAS=	342.1	FOM=	0.58
INDE	4	5	7	FOBS=	277.8	SIGMA=	2.3	PHAS=	201.9	FOM=	0.39
INDE	4	5	8	FOBS=	207.3	SIGMA=	4.0	PHAS=	107.4	FOM=	0.49
INDE	4	5	9	FOBS=	193.2	SIGMA=	5.5	PHAS=	39.7	FOM=	0.05
INDE	4	5	10	FOBS=	200.3	SIGMA=	4.9	PHAS=	296.6	FOM=	0.27
INDE	4	5	11	FOBS=	163.7	SIGMA=	6.0	PHAS=	111.8	FOM=	0.61
INDE	4	5	12	FOBS=	139.1	SIGMA=	6.7	PHAS=	317.5	FOM=	0.12
INDE	4	5	13	FOBS=	83.4	SIGMA=	10.8	PHAS=	305.4	FOM=	0.12
INDE	4	5	14	FOBS=	66.1	SIGMA=	15.1	PHAS=	117.7	FOM=	0.33
INDE	4	5	15	FOBS=	77.5	SIGMA=	12.7	PHAS=	273.4	FOM=	0.05
INDE	4	6	0	FOBS=	321.3	SIGMA=	1.1	PHAS=	137.0	FOM=	0.15
INDE	4	6	1	FOBS=	257.1	SIGMA=	1.5	PHAS=	26.2	FOM=	0.73
INDE	4	6	2	FOBS=	178.9	SIGMA=	2.3	PHAS=	277.8	FOM=	0.34
INDE	4	6	3	FOBS=	88.0	SIGMA=	4.8	PHAS=	328.9	FOM=	0.50
INDE	4	6	4	FOBS=	144.6	SIGMA=	3.2	PHAS=	115.3	FOM=	0.93
INDE	4	6	5	FOBS=	172.2	SIGMA=	2.9	PHAS=	131.3	FOM=	0.79
INDE	4	6	6	FOBS=	291.0	SIGMA=	2.0	PHAS=	228.7	FOM=	0.81
INDE	4	6	7	FOBS=	208.4	SIGMA=	3.0	PHAS=	332.3	FOM=	0.91
INDE	4	6	8	FOBS=	144.4	SIGMA=	5.6	PHAS=	127.7	FOM=	0.34
INDE	4	6	9	FOBS=	565.4	SIGMA=	2.5	PHAS=	275.2	FOM=	0.63
INDE	4	6	10	FOBS=	273.9	SIGMA=	3.8	PHAS=	123.0	FOM=	0.33
INDE	4	6	11	FOBS=	147.7	SIGMA=	7.1	PHAS=	293.9	FOM=	0.29
INDE	4	6	12	FOBS=	122.4	SIGMA=	7.6	PHAS=	217.4	FOM=	0.26
INDE	4	6	13	FOBS=	82.9	SIGMA=	11.3	PHAS=	113.4	FOM=	0.18
INDE	4	6	14	FOBS=	74.8	SIGMA=	12.0	PHAS=	282.4	FOM=	0.33
INDE	4	6	15	FOBS=	48.7	SIGMA=	23.0	PHAS=	236.5	FOM=	0.03
INDE	4	7	0	FOBS=	95.1	SIGMA=	3.3	PHAS=	199.2	FOM=	0.37
INDE	4	7	1	FOBS=	118.6	SIGMA=	2.8	PHAS=	74.7	FOM=	0.21
INDE	4	7	2	FOBS=	151.4	SIGMA=	2.8	PHAS=	121.3	FOM=	0.79
INDE	4	7	3	FOBS=	73.2	SIGMA=	6.0	PHAS=	116.3	FOM=	0.71
INDE	4	7	4	FOBS=	89.2	SIGMA=	5.6	PHAS=	209.5	FOM=	0.56
INDE	4	7	5	FOBS=	89.3	SIGMA=	5.5	PHAS=	21.0	FOM=	0.25
INDE	4	7	6	FOBS=	150.4	SIGMA=	4.3	PHAS=	159.4	FOM=	0.47
INDE	4	7	7	FOBS=	76.4	SIGMA=	8.0	PHAS=	269.4	FOM=	0.14
INDE	4	7	8	FOBS=	338.4	SIGMA=	2.4	PHAS=	124.1	FOM=	0.35
INDE	4	7	9	FOBS=	176.4	SIGMA=	4.6	PHAS=	206.4	FOM=	0.39
INDE	4	7	10	FOBS=	332.6	SIGMA=	2.7	PHAS=	272.8	FOM=	0.86
INDE	4	7	11	FOBS=	99.9	SIGMA=	11.6	PHAS=	154.8	FOM=	0.06
INDE	4	7	12	FOBS=	79.9	SIGMA=	14.3	PHAS=	135.7	FOM=	0.06
INDE	4	7	13	FOBS=	95.9	SIGMA=	10.0	PHAS=	352.5	FOM=	0.11
INDE	4	7	14	FOBS=	98.8	SIGMA=	9.0	PHAS=	209.6	FOM=	0.02
INDE	4	7	15	FOBS=	150.1	SIGMA=	6.0	PHAS=	280.3	FOM=	0.03
INDE	4	8	0	FOBS=	144.9	SIGMA=	2.1	PHAS=	16.4	FOM=	0.91
INDE	4	8	1	FOBS=	102.1	SIGMA=	3.4	PHAS=	84.8	FOM=	0.17
INDE	4	8	2	FOBS=	218.9	SIGMA=	1.7	PHAS=	157.6	FOM=	0.92
INDE	4	8	3	FOBS=	175.0	SIGMA=	2.6	PHAS=	14.7	FOM=	0.80
INDE	4	8	4	FOBS=	239.8	SIGMA=	2.1	PHAS=	350.4	FOM=	0.91
INDE	4	8	5	FOBS=	120.4	SIGMA=	4.1	PHAS=	206.5	FOM=	0.43
INDE	4	8	6	FOBS=	176.4	SIGMA=	3.2	PHAS=	86.5	FOM=	0.14
INDE	4	8	7	FOBS=	73.9	SIGMA=	10.0	PHAS=	245.1	FOM=	0.21
INDE	4	8	8	FOBS=	230.8	SIGMA=	3.1	PHAS=	48.7	FOM=	0.95
INDE	4	8	9	FOBS=	319.5	SIGMA=	2.4	PHAS=	21.1	FOM=	0.78
INDE	4	8	10	FOBS=	207.2	SIGMA=	4.6	PHAS=	216.1	FOM=	0.05
INDE	4	8	11	FOBS=	129.8	SIGMA=	7.0	PHAS=	171.1	FOM=	0.15
INDE	4	8	12	FOBS=	146.1	SIGMA=	6.4	PHAS=	358.5	FOM=	0.03
INDE	4	8	13	FOBS=	128.8	SIGMA=	8.2	PHAS=	58.2	FOM=	0.09
INDE	4	8	14	FOBS=	85.9	SIGMA=	11.9	PHAS=	251.5	FOM=	0.06
INDE	4	8	15	FOBS=	62.6	SIGMA=	19.4	PHAS=	133.5	FOM=	0.02
INDE	4	9	0	FOBS=	216.8	SIGMA=	1.5	PHAS=	29.5	FOM=	0.96
INDE	4	9	1	FOBS=	256.7	SIGMA=	1.5	PHAS=	114.4	FOM=	1.00
INDE	4	9	2	FOBS=	145.4	SIGMA=	2.7	PHAS=	340.5	FOM=	0.93
INDE	4	9	3	FOBS=	57.6	SIGMA=	7.4	PHAS=	122.8	FOM=	0.12
INDE	4	9	4	FOBS=	235.5	SIGMA=	2.3	PHAS=	228.8	FOM=	0.79
INDE	4	9	5	FOBS=	53.9	SIGMA=	11.4	PHAS=	29.0	FOM=	0.34
INDE	4	9	6	FOBS=	247.0	SIGMA=	2.6	PHAS=	204.0	FOM=	0.94

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INDE	4	9	7	FOBS=	438.4	SIGMA=	1.8	PHAS=	5.9	FOM=	0.88
INDE	4	9	8	FOBS=	336.4	SIGMA=	2.2	PHAS=	22.1	FOM=	0.94
INDE	4	9	9	FOBS=	168.6	SIGMA=	4.7	PHAS=	263.8	FOM=	0.76
INDE	4	9	10	FOBS=	305.6	SIGMA=	3.0	PHAS=	322.1	FOM=	0.87
INDE	4	9	11	FOBS=	119.5	SIGMA=	7.7	PHAS=	91.8	FOM=	0.40
INDE	4	9	12	FOBS=	76.4	SIGMA=	11.3	PHAS=	300.4	FOM=	0.15
INDE	4	9	13	FOBS=	137.0	SIGMA=	6.4	PHAS=	220.4	FOM=	0.04
INDE	4	9	14	FOBS=	42.7	SIGMA=	20.1	PHAS=	156.7	FOM=	0.09
INDE	4	9	15	FOBS=	119.7	SIGMA=	76.0	PHAS=	13.2	FOM=	0.03
INDE	4	10	0	FOBS=	221.4	SIGMA=	1.5	PHAS=	147.5	FOM=	0.98
INDE	4	10	1	FOBS=	78.8	SIGMA=	4.5	PHAS=	251.9	FOM=	0.41
INDE	4	10	2	FOBS=	227.0	SIGMA=	1.8	PHAS=	67.9	FOM=	0.86
INDE	4	10	3	FOBS=	218.9	SIGMA=	2.1	PHAS=	144.4	FOM=	0.96
INDE	4	10	4	FOBS=	155.6	SIGMA=	3.3	PHAS=	12.5	FOM=	0.66
INDE	4	10	5	FOBS=	43.5	SIGMA=	18.8	PHAS=	309.5	FOM=	0.42
INDE	4	10	6	FOBS=	348.2	SIGMA=	2.1	PHAS=	257.3	FOM=	0.90
INDE	4	10	7	FOBS=	335.9	SIGMA=	2.0	PHAS=	341.5	FOM=	0.87
INDE	4	10	8	FOBS=	87.8	SIGMA=	7.7	PHAS=	307.0	FOM=	0.04
INDE	4	10	9	FOBS=	55.1	SIGMA=	17.6	PHAS=	232.7	FOM=	0.19
INDE	4	10	10	FOBS=	394.5	SIGMA=	2.7	PHAS=	94.9	FOM=	0.95
INDE	4	10	11	FOBS=	115.3	SIGMA=	7.3	PHAS=	120.2	FOM=	0.12
INDE	4	10	12	FOBS=	90.9	SIGMA=	9.5	PHAS=	285.8	FOM=	0.25
INDE	4	10	13	FOBS=	49.4	SIGMA=	25.1	PHAS=	110.2	FOM=	0.09
INDE	4	10	14	FOBS=	109.4	SIGMA=	70.9	PHAS=	158.0	FOM=	0.03
INDE	4	11	0	FOBS=	97.6	SIGMA=	3.5	PHAS=	109.1	FOM=	0.86
INDE	4	11	1	FOBS=	129.7	SIGMA=	2.6	PHAS=	177.1	FOM=	0.97
INDE	4	11	2	FOBS=	57.8	SIGMA=	6.6	PHAS=	95.5	FOM=	0.30
INDE	4	11	3	FOBS=	174.9	SIGMA=	2.5	PHAS=	127.0	FOM=	0.85
INDE	4	11	4	FOBS=	155.8	SIGMA=	3.4	PHAS=	279.0	FOM=	0.92
INDE	4	11	5	FOBS=	256.9	SIGMA=	2.8	PHAS=	60.1	FOM=	0.06
INDE	4	11	6	FOBS=	355.1	SIGMA=	2.0	PHAS=	321.3	FOM=	0.99
INDE	4	11	7	FOBS=	238.9	SIGMA=	3.0	PHAS=	335.7	FOM=	0.97
INDE	4	11	8	FOBS=	68.1	SIGMA=	13.1	PHAS=	193.4	FOM=	0.07
INDE	4	11	9	FOBS=	82.9	SIGMA=	9.6	PHAS=	134.2	FOM=	0.12
INDE	4	11	10	FOBS=	130.1	SIGMA=	6.4	PHAS=	38.4	FOM=	0.18
INDE	4	11	11	FOBS=	80.7	SIGMA=	10.4	PHAS=	174.0	FOM=	0.21
INDE	4	11	12	FOBS=	163.0	SIGMA=	5.3	PHAS=	36.9	FOM=	0.24
INDE	4	11	13	FOBS=	67.5	SIGMA=	13.0	PHAS=	148.0	FOM=	0.24
INDE	4	11	14	FOBS=	42.7	SIGMA=	17.8	PHAS=	270.9	FOM=	0.05
INDE	4	12	0	FOBS=	255.4	SIGMA=	1.4	PHAS=	267.9	FOM=	0.90
INDE	4	12	1	FOBS=	169.9	SIGMA=	2.2	PHAS=	190.2	FOM=	0.78
INDE	4	12	2	FOBS=	99.2	SIGMA=	4.1	PHAS=	171.7	FOM=	0.89
INDE	4	12	3	FOBS=	192.2	SIGMA=	2.2	PHAS=	169.9	FOM=	0.95
INDE	4	12	4	FOBS=	165.7	SIGMA=	3.2	PHAS=	239.6	FOM=	0.44
INDE	4	12	5	FOBS=	214.7	SIGMA=	2.4	PHAS=	144.0	FOM=	0.72
INDE	4	12	6	FOBS=	88.6	SIGMA=	7.2	PHAS=	286.0	FOM=	0.30
INDE	4	12	7	FOBS=	334.1	SIGMA=	2.2	PHAS=	348.1	FOM=	0.07
INDE	4	12	8	FOBS=	102.8	SIGMA=	6.5	PHAS=	15.1	FOM=	0.37
INDE	4	12	9	FOBS=	134.5	SIGMA=	6.3	PHAS=	203.3	FOM=	0.60
INDE	4	12	10	FOBS=	171.0	SIGMA=	4.9	PHAS=	4.3	FOM=	0.66
INDE	4	12	11	FOBS=	80.5	SIGMA=	10.2	PHAS=	268.4	FOM=	0.03
INDE	4	12	12	FOBS=	53.8	SIGMA=	16.0	PHAS=	184.0	FOM=	0.06
INDE	4	12	13	FOBS=	63.8	SIGMA=	12.7	PHAS=	62.0	FOM=	0.09
INDE	4	12	14	FOBS=	58.1	SIGMA=	15.9	PHAS=	285.2	FOM=	0.04
INDE	4	13	0	FOBS=	153.9	SIGMA=	2.3	PHAS=	158.9	FOM=	0.95
INDE	4	13	1	FOBS=	247.7	SIGMA=	1.6	PHAS=	306.2	FOM=	0.94
INDE	4	13	2	FOBS=	240.5	SIGMA=	1.8	PHAS=	215.3	FOM=	0.91
INDE	4	13	3	FOBS=	167.1	SIGMA=	3.1	PHAS=	208.0	FOM=	0.87
INDE	4	13	4	FOBS=	253.9	SIGMA=	2.0	PHAS=	326.1	FOM=	0.95
INDE	4	13	5	FOBS=	88.5	SIGMA=	5.7	PHAS=	121.4	FOM=	0.18
INDE	4	13	6	FOBS=	163.6	SIGMA=	3.6	PHAS=	176.2	FOM=	0.38
INDE	4	13	7	FOBS=	95.9	SIGMA=	7.3	PHAS=	34.1	FOM=	0.45
INDE	4	13	8	FOBS=	165.2	SIGMA=	4.7	PHAS=	252.0	FOM=	0.83
INDE	4	13	9	FOBS=	120.0	SIGMA=	7.0	PHAS=	60.8	FOM=	0.05
INDE	4	13	10	FOBS=	65.8	SIGMA=	12.5	PHAS=	26.3	FOM=	0.13
INDE	4	13	11	FOBS=	172.1	SIGMA=	4.8	PHAS=	145.2	FOM=	0.49
INDE	4	13	12	FOBS=	173.6	SIGMA=	4.7	PHAS=	319.5	FOM=	0.01
INDE	4	13	13	FOBS=	78.8	SIGMA=	10.7	PHAS=	162.0	FOM=	0.09
INDE	4	13	14	FOBS=	64.5	SIGMA=	15.1	PHAS=	76.0	FOM=	0.03
INDE	4	14	0	FOBS=	332.1	SIGMA=	1.2	PHAS=	290.7	FOM=	1.00
INDE	4	14	1	FOBS=	269.0	SIGMA=	1.6	PHAS=	238.9	FOM=	0.94

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INDE	4	14	2	FOBS=	135.5	SIGMA=	3.5	PHAS=	79.2	FOM=	0.95
INDE	4	14	3	FOBS=	315.0	SIGMA=	1.6	PHAS=	296.2	FOM=	0.95
INDE	4	14	4	FOBS=	42.7	SIGMA=	11.4	PHAS=	274.4	FOM=	0.18
INDE	4	14	5	FOBS=	241.4	SIGMA=	2.2	PHAS=	216.2	FOM=	0.96
INDE	4	14	6	FOBS=	307.1	SIGMA=	2.0	PHAS=	293.3	FOM=	0.73
INDE	4	14	7	FOBS=	235.0	SIGMA=	2.7	PHAS=	152.8	FOM=	0.57
INDE	4	14	8	FOBS=	217.6	SIGMA=	3.6	PHAS=	34.6	FOM=	0.51
INDE	4	14	9	FOBS=	116.4	SIGMA=	7.5	PHAS=	194.9	FOM=	0.42
INDE	4	14	10	FOBS=	156.9	SIGMA=	5.0	PHAS=	69.0	FOM=	0.47
INDE	4	14	11	FOBS=	95.6	SIGMA=	8.1	PHAS=	257.2	FOM=	0.14
INDE	4	14	12	FOBS=	142.2	SIGMA=	5.6	PHAS=	197.9	FOM=	0.36
INDE	4	14	13	FOBS=	106.0	SIGMA=	7.4	PHAS=	146.6	FOM=	0.50
INDE	4	14	14	FOBS=	77.6	SIGMA=	36.6	PHAS=	305.9	FOM=	0.05
INDE	4	15	0	FOBS=	111.0	SIGMA=	3.6	PHAS=	219.4	FOM=	0.77
INDE	4	15	1	FOBS=	90.9	SIGMA=	4.6	PHAS=	204.0	FOM=	0.57
INDE	4	15	2	FOBS=	119.7	SIGMA=	4.1	PHAS=	352.8	FOM=	0.77
INDE	4	15	3	FOBS=	335.0	SIGMA=	1.5	PHAS=	302.1	FOM=	0.96
INDE	4	15	4	FOBS=	128.8	SIGMA=	4.0	PHAS=	88.8	FOM=	0.78
INDE	4	15	5	FOBS=	372.2	SIGMA=	1.7	PHAS=	328.1	FOM=	0.87
INDE	4	15	6	FOBS=	316.2	SIGMA=	2.0	PHAS=	38.8	FOM=	0.96
INDE	4	15	7	FOBS=	105.3	SIGMA=	6.0	PHAS=	236.2	FOM=	0.11
INDE	4	15	8	FOBS=	179.8	SIGMA=	4.1	PHAS=	224.5	FOM=	0.46
INDE	4	15	9	FOBS=	188.4	SIGMA=	4.4	PHAS=	136.4	FOM=	0.80
INDE	4	15	10	FOBS=	126.1	SIGMA=	6.6	PHAS=	20.5	FOM=	0.47
INDE	4	15	11	FOBS=	230.2	SIGMA=	3.4	PHAS=	230.6	FOM=	0.79
INDE	4	15	12	FOBS=	108.6	SIGMA=	7.1	PHAS=	103.8	FOM=	0.33
INDE	4	15	13	FOBS=	48.1	SIGMA=	26.4	PHAS=	7.9	FOM=	0.08
INDE	4	16	0	FOBS=	119.1	SIGMA=	3.2	PHAS=	32.2	FOM=	0.98
INDE	4	16	1	FOBS=	263.8	SIGMA=	1.9	PHAS=	36.0	FOM=	0.99
INDE	4	16	2	FOBS=	373.3	SIGMA=	1.3	PHAS=	26.1	FOM=	0.95
INDE	4	16	3	FOBS=	406.5	SIGMA=	1.4	PHAS=	301.2	FOM=	0.95
INDE	4	16	4	FOBS=	264.5	SIGMA=	2.0	PHAS=	132.8	FOM=	0.95
INDE	4	16	5	FOBS=	178.9	SIGMA=	2.9	PHAS=	301.2	FOM=	0.95
INDE	4	16	6	FOBS=	168.9	SIGMA=	3.7	PHAS=	11.6	FOM=	0.90
INDE	4	16	7	FOBS=	165.6	SIGMA=	4.1	PHAS=	184.6	FOM=	0.92
INDE	4	16	8	FOBS=	187.0	SIGMA=	3.9	PHAS=	146.2	FOM=	0.88
INDE	4	16	9	FOBS=	320.0	SIGMA=	2.3	PHAS=	227.9	FOM=	0.67
INDE	4	16	10	FOBS=	101.2	SIGMA=	9.5	PHAS=	195.7	FOM=	0.33
INDE	4	16	11	FOBS=	86.0	SIGMA=	9.0	PHAS=	97.5	FOM=	0.08
INDE	4	16	12	FOBS=	72.1	SIGMA=	10.5	PHAS=	354.9	FOM=	0.28
INDE	4	16	13	FOBS=	75.3	SIGMA=	10.7	PHAS=	195.0	FOM=	0.04
INDE	4	17	0	FOBS=	413.7	SIGMA=	1.3	PHAS=	55.3	FOM=	0.92
INDE	4	17	1	FOBS=	245.6	SIGMA=	1.8	PHAS=	29.0	FOM=	0.95
INDE	4	17	2	FOBS=	211.1	SIGMA=	2.1	PHAS=	277.0	FOM=	0.72
INDE	4	17	3	FOBS=	344.1	SIGMA=	1.6	PHAS=	286.1	FOM=	0.98
INDE	4	17	4	FOBS=	371.5	SIGMA=	1.6	PHAS=	62.3	FOM=	0.96
INDE	4	17	5	FOBS=	202.7	SIGMA=	2.7	PHAS=	221.1	FOM=	0.88
INDE	4	17	6	FOBS=	124.5	SIGMA=	4.8	PHAS=	300.7	FOM=	0.75
INDE	4	17	7	FOBS=	96.7	SIGMA=	6.8	PHAS=	74.5	FOM=	0.18
INDE	4	17	8	FOBS=	185.1	SIGMA=	3.9	PHAS=	349.0	FOM=	0.62
INDE	4	17	9	FOBS=	202.5	SIGMA=	3.6	PHAS=	213.9	FOM=	0.79
INDE	4	17	10	FOBS=	87.3	SIGMA=	8.7	PHAS=	312.0	FOM=	0.16
INDE	4	17	11	FOBS=	94.8	SIGMA=	8.4	PHAS=	128.2	FOM=	0.20
INDE	4	17	12	FOBS=	101.9	SIGMA=	7.3	PHAS=	267.8	FOM=	0.01
INDE	4	17	13	FOBS=	102.5	SIGMA=	7.3	PHAS=	78.7	FOM=	0.06
INDE	4	18	0	FOBS=	106.0	SIGMA=	3.9	PHAS=	187.7	FOM=	0.80
INDE	4	18	1	FOBS=	517.4	SIGMA=	1.1	PHAS=	302.9	FOM=	0.97
INDE	4	18	2	FOBS=	135.7	SIGMA=	3.4	PHAS=	211.3	FOM=	0.78
INDE	4	18	3	FOBS=	204.2	SIGMA=	2.4	PHAS=	97.0	FOM=	0.84
INDE	4	18	4	FOBS=	137.7	SIGMA=	3.9	PHAS=	83.5	FOM=	0.84
INDE	4	18	5	FOBS=	174.6	SIGMA=	3.1	PHAS=	15.5	FOM=	0.94
INDE	4	18	6	FOBS=	359.4	SIGMA=	1.9	PHAS=	233.0	FOM=	0.93
INDE	4	18	7	FOBS=	203.0	SIGMA=	3.3	PHAS=	146.1	FOM=	0.20
INDE	4	18	8	FOBS=	223.9	SIGMA=	3.1	PHAS=	173.3	FOM=	0.50
INDE	4	18	9	FOBS=	83.3	SIGMA=	8.1	PHAS=	3.6	FOM=	0.12
INDE	4	18	10	FOBS=	156.8	SIGMA=	4.7	PHAS=	235.1	FOM=	0.03
INDE	4	18	11	FOBS=	92.5	SIGMA=	9.0	PHAS=	123.3	FOM=	0.22
INDE	4	18	12	FOBS=	107.4	SIGMA=	7.5	PHAS=	283.7	FOM=	0.12
INDE	4	19	0	FOBS=	106.4	SIGMA=	3.7	PHAS=	140.4	FOM=	0.46
INDE	4	19	1	FOBS=	400.7	SIGMA=	1.3	PHAS=	266.9	FOM=	1.00
INDE	4	19	2	FOBS=	273.5	SIGMA=	1.8	PHAS=	61.7	FOM=	1.00

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INDE	4	19	3	FOBS=	218.1	SIGMA=	2.2	PHAS=	335.0	FOM=	0.89
INDE	4	19	4	FOBS=	446.7	SIGMA=	1.5	PHAS=	68.8	FOM=	0.62
INDE	4	19	5	FOBS=	95.0	SIGMA=	6.1	PHAS=	71.3	FOM=	0.28
INDE	4	19	6	FOBS=	160.1	SIGMA=	4.0	PHAS=	168.2	FOM=	0.34
INDE	4	19	7	FOBS=	209.2	SIGMA=	3.1	PHAS=	107.5	FOM=	0.40
INDE	4	19	8	FOBS=	284.1	SIGMA=	2.4	PHAS=	25.8	FOM=	0.08
INDE	4	19	9	FOBS=	98.4	SIGMA=	6.8	PHAS=	257.1	FOM=	0.04
INDE	4	19	10	FOBS=	154.3	SIGMA=	4.6	PHAS=	321.0	FOM=	0.16
INDE	4	19	11	FOBS=	135.9	SIGMA=	5.9	PHAS=	213.8	FOM=	0.71
INDE	4	19	12	FOBS=	72.1	SIGMA=	11.9	PHAS=	17.5	FOM=	0.03
INDE	4	20	0	FOBS=	131.4	SIGMA=	3.7	PHAS=	174.4	FOM=	0.85
INDE	4	20	1	FOBS=	311.1	SIGMA=	1.5	PHAS=	329.0	FOM=	0.75
INDE	4	20	2	FOBS=	165.3	SIGMA=	2.9	PHAS=	325.8	FOM=	0.75
INDE	4	20	3	FOBS=	238.6	SIGMA=	2.2	PHAS=	120.0	FOM=	0.91
INDE	4	20	4	FOBS=	173.0	SIGMA=	3.0	PHAS=	299.4	FOM=	0.14
INDE	4	20	5	FOBS=	110.8	SIGMA=	5.2	PHAS=	261.1	FOM=	0.03
INDE	4	20	6	FOBS=	247.4	SIGMA=	2.5	PHAS=	210.0	FOM=	0.17
INDE	4	20	7	FOBS=	317.4	SIGMA=	2.1	PHAS=	291.4	FOM=	0.82
INDE	4	20	8	FOBS=	76.5	SIGMA=	8.5	PHAS=	17.6	FOM=	0.06
INDE	4	20	9	FOBS=	60.4	SIGMA=	12.2	PHAS=	200.9	FOM=	0.06
INDE	4	20	10	FOBS=	90.4	SIGMA=	7.4	PHAS=	230.5	FOM=	0.05
INDE	4	20	11	FOBS=	106.2	SIGMA=	6.7	PHAS=	105.2	FOM=	0.09
INDE	4	20	12	FOBS=	62.1	SIGMA=	13.8	PHAS=	7.2	FOM=	0.05
INDE	4	21	0	FOBS=	139.3	SIGMA=	3.6	PHAS=	273.1	FOM=	0.20
INDE	4	21	1	FOBS=	145.3	SIGMA=	2.8	PHAS=	121.5	FOM=	0.95
INDE	4	21	2	FOBS=	204.3	SIGMA=	2.4	PHAS=	32.6	FOM=	0.93
INDE	4	21	3	FOBS=	176.4	SIGMA=	3.2	PHAS=	208.5	FOM=	0.96
INDE	4	21	4	FOBS=	91.3	SIGMA=	5.9	PHAS=	82.5	FOM=	0.80
INDE	4	21	5	FOBS=	52.4	SIGMA=	24.8	PHAS=	171.3	FOM=	0.13
INDE	4	21	6	FOBS=	119.3	SIGMA=	5.1	PHAS=	239.6	FOM=	0.20
INDE	4	21	7	FOBS=	53.8	SIGMA=	12.6	PHAS=	73.5	FOM=	0.33
INDE	4	21	8	FOBS=	73.8	SIGMA=	8.7	PHAS=	290.8	FOM=	0.15
INDE	4	21	9	FOBS=	141.0	SIGMA=	4.8	PHAS=	216.8	FOM=	0.15
INDE	4	21	10	FOBS=	120.7	SIGMA=	5.5	PHAS=	91.5	FOM=	0.32
INDE	4	21	11	FOBS=	70.0	SIGMA=	10.4	PHAS=	325.2	FOM=	0.02
INDE	4	22	0	FOBS=	194.6	SIGMA=	2.7	PHAS=	101.0	FOM=	0.92
INDE	4	22	1	FOBS=	231.4	SIGMA=	2.1	PHAS=	231.2	FOM=	0.94
INDE	4	22	2	FOBS=	359.6	SIGMA=	1.6	PHAS=	32.2	FOM=	0.98
INDE	4	22	3	FOBS=	261.7	SIGMA=	2.1	PHAS=	164.2	FOM=	0.91
INDE	4	22	4	FOBS=	235.7	SIGMA=	2.4	PHAS=	343.2	FOM=	0.89
INDE	4	22	5	FOBS=	192.5	SIGMA=	3.0	PHAS=	51.5	FOM=	0.93
INDE	4	22	6	FOBS=	98.0	SIGMA=	5.9	PHAS=	206.7	FOM=	0.12
INDE	4	22	7	FOBS=	118.9	SIGMA=	5.2	PHAS=	312.6	FOM=	0.14
INDE	4	22	8	FOBS=	72.0	SIGMA=	8.8	PHAS=	245.0	FOM=	0.25
INDE	4	22	9	FOBS=	116.6	SIGMA=	5.6	PHAS=	151.8	FOM=	0.10
INDE	4	22	10	FOBS=	59.0	SIGMA=	12.4	PHAS=	67.6	FOM=	0.15
INDE	4	22	11	FOBS=	77.5	SIGMA=	8.5	PHAS=	225.8	FOM=	0.14
INDE	4	23	0	FOBS=	70.8	SIGMA=	6.2	PHAS=	248.5	FOM=	0.45
INDE	4	23	1	FOBS=	83.2	SIGMA=	5.6	PHAS=	100.7	FOM=	0.18
INDE	4	23	2	FOBS=	161.1	SIGMA=	3.2	PHAS=	15.5	FOM=	0.60
INDE	4	23	3	FOBS=	111.2	SIGMA=	4.8	PHAS=	214.8	FOM=	0.10
INDE	4	23	4	FOBS=	197.0	SIGMA=	2.9	PHAS=	54.0	FOM=	0.46
INDE	4	23	5	FOBS=	90.1	SIGMA=	6.2	PHAS=	289.0	FOM=	0.26
INDE	4	23	6	FOBS=	42.1	SIGMA=	18.1	PHAS=	1.6	FOM=	0.33
INDE	4	23	7	FOBS=	111.8	SIGMA=	5.4	PHAS=	110.2	FOM=	0.31
INDE	4	23	8	FOBS=	157.6	SIGMA=	4.0	PHAS=	132.9	FOM=	0.37
INDE	4	23	9	FOBS=	118.4	SIGMA=	5.6	PHAS=	25.3	FOM=	0.81
INDE	4	23	10	FOBS=	76.0	SIGMA=	8.7	PHAS=	246.0	FOM=	0.05
INDE	4	24	0	FOBS=	212.4	SIGMA=	2.3	PHAS=	171.0	FOM=	0.99
INDE	4	24	1	FOBS=	203.6	SIGMA=	2.9	PHAS=	40.3	FOM=	0.82
INDE	4	24	2	FOBS=	215.2	SIGMA=	2.3	PHAS=	193.1	FOM=	0.43
INDE	4	24	3	FOBS=	146.1	SIGMA=	3.8	PHAS=	144.0	FOM=	0.39
INDE	4	24	4	FOBS=	147.8	SIGMA=	4.0	PHAS=	310.9	FOM=	0.41
INDE	4	24	5	FOBS=	76.6	SIGMA=	7.5	PHAS=	91.2	FOM=	0.36
INDE	4	24	6	FOBS=	257.0	SIGMA=	2.4	PHAS=	71.1	FOM=	0.93
INDE	4	24	7	FOBS=	132.0	SIGMA=	4.6	PHAS=	210.4	FOM=	0.68
INDE	4	24	8	FOBS=	41.2	SIGMA=	15.9	PHAS=	108.1	FOM=	0.05
INDE	4	24	9	FOBS=	69.6	SIGMA=	8.4	PHAS=	320.4	FOM=	0.08
INDE	4	24	10	FOBS=	86.5	SIGMA=	7.3	PHAS=	223.2	FOM=	0.30
INDE	4	25	0	FOBS=	118.1	SIGMA=	3.9	PHAS=	258.5	FOM=	0.73
INDE	4	25	1	FOBS=	189.7	SIGMA=	2.9	PHAS=	239.1	FOM=	0.54

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INDE	4	25	2	FOBS=	137.6	SIGMA=	3.7	PHAS=	175.8	FOM=	0.24
INDE	4	25	3	FOBS=	71.2	SIGMA=	7.1	PHAS=	199.8	FOM=	0.29
INDE	4	25	4	FOBS=	230.4	SIGMA=	2.5	PHAS=	16.6	FOM=	0.87
INDE	4	25	5	FOBS=	85.2	SIGMA=	6.6	PHAS=	200.7	FOM=	0.19
INDE	4	25	6	FOBS=	94.7	SIGMA=	6.0	PHAS=	261.4	FOM=	0.13
INDE	4	25	7	FOBS=	129.0	SIGMA=	4.5	PHAS=	122.1	FOM=	0.37
INDE	4	25	8	FOBS=	100.5	SIGMA=	5.8	PHAS=	14.3	FOM=	0.27
INDE	4	25	9	FOBS=	59.3	SIGMA=	10.7	PHAS=	152.1	FOM=	0.03
INDE	4	26	0	FOBS=	106.8	SIGMA=	4.3	PHAS=	213.1	FOM=	0.54
INDE	4	26	1	FOBS=	62.8	SIGMA=	7.7	PHAS=	289.2	FOM=	0.20
INDE	4	26	2	FOBS=	97.6	SIGMA=	4.9	PHAS=	250.3	FOM=	0.61
INDE	4	26	3	FOBS=	199.1	SIGMA=	2.5	PHAS=	116.9	FOM=	0.23
INDE	4	26	4	FOBS=	123.8	SIGMA=	4.5	PHAS=	351.2	FOM=	0.62
INDE	4	26	5	FOBS=	37.1	SIGMA=	13.1	PHAS=	204.6	FOM=	0.37
INDE	4	26	6	FOBS=	39.4	SIGMA=	19.4	PHAS=	2.8	FOM=	0.11
INDE	4	26	7	FOBS=	115.9	SIGMA=	4.9	PHAS=	295.6	FOM=	0.21
INDE	4	26	8	FOBS=	159.7	SIGMA=	3.8	PHAS=	258.1	FOM=	0.69
INDE	4	26	9	FOBS=	73.4	SIGMA=	10.2	PHAS=	30.0	FOM=	0.11
INDE	4	27	0	FOBS=	88.5	SIGMA=	4.8	PHAS=	97.5	FOM=	0.43
INDE	4	27	1	FOBS=	184.0	SIGMA=	2.4	PHAS=	347.8	FOM=	0.95
INDE	4	27	2	FOBS=	52.5	SIGMA=	14.2	PHAS=	15.5	FOM=	0.18
INDE	4	27	3	FOBS=	37.2	SIGMA=	12.9	PHAS=	284.8	FOM=	0.20
INDE	4	27	4	FOBS=	90.9	SIGMA=	5.6	PHAS=	105.6	FOM=	0.52
INDE	4	27	5	FOBS=	138.5	SIGMA=	4.1	PHAS=	69.6	FOM=	0.56
INDE	4	27	6	FOBS=	49.4	SIGMA=	13.0	PHAS=	270.9	FOM=	0.51
INDE	4	27	7	FOBS=	56.6	SIGMA=	10.9	PHAS=	111.9	FOM=	0.05
INDE	4	27	8	FOBS=	72.9	SIGMA=	7.9	PHAS=	358.0	FOM=	0.04
INDE	4	28	0	FOBS=	225.4	SIGMA=	2.1	PHAS=	51.8	FOM=	0.84
INDE	4	28	1	FOBS=	45.5	SIGMA=	9.8	PHAS=	101.9	FOM=	0.16
INDE	4	28	2	FOBS=	53.0	SIGMA=	11.4	PHAS=	312.5	FOM=	0.36
INDE	4	28	3	FOBS=	135.4	SIGMA=	3.7	PHAS=	122.7	FOM=	0.61
INDE	4	28	4	FOBS=	251.3	SIGMA=	2.2	PHAS=	202.0	FOM=	0.72
INDE	4	28	5	FOBS=	167.2	SIGMA=	3.4	PHAS=	307.5	FOM=	0.96
INDE	4	28	6	FOBS=	99.2	SIGMA=	5.5	PHAS=	244.2	FOM=	0.24
INDE	4	28	7	FOBS=	122.9	SIGMA=	4.6	PHAS=	346.8	FOM=	0.14
INDE	4	29	0	FOBS=	147.1	SIGMA=	3.1	PHAS=	57.5	FOM=	0.25
INDE	4	29	1	FOBS=	45.4	SIGMA=	9.9	PHAS=	276.5	FOM=	0.33
INDE	4	29	2	FOBS=	113.8	SIGMA=	4.4	PHAS=	65.6	FOM=	0.71
INDE	4	29	3	FOBS=	191.0	SIGMA=	2.6	PHAS=	142.9	FOM=	0.18
INDE	4	29	4	FOBS=	173.1	SIGMA=	3.0	PHAS=	259.4	FOM=	0.83
INDE	4	29	5	FOBS=	189.6	SIGMA=	3.7	PHAS=	93.9	FOM=	0.38
INDE	4	29	6	FOBS=	146.4	SIGMA=	3.8	PHAS=	299.4	FOM=	0.42
INDE	4	30	0	FOBS=	81.7	SIGMA=	5.3	PHAS=	300.9	FOM=	0.62
INDE	4	30	1	FOBS=	130.4	SIGMA=	3.6	PHAS=	169.7	FOM=	0.80
INDE	4	30	2	FOBS=	39.9	SIGMA=	11.8	PHAS=	101.6	FOM=	0.06
INDE	4	30	3	FOBS=	54.0	SIGMA=	26.8	PHAS=	333.1	FOM=	0.06
INDE	4	30	4	FOBS=	46.1	SIGMA=	11.3	PHAS=	283.8	FOM=	0.04
INDE	4	30	5	FOBS=	106.3	SIGMA=	4.8	PHAS=	123.7	FOM=	0.29
INDE	4	31	0	FOBS=	52.4	SIGMA=	8.1	PHAS=	143.3	FOM=	0.13
INDE	4	31	1	FOBS=	77.9	SIGMA=	5.5	PHAS=	4.8	FOM=	0.06
INDE	4	31	2	FOBS=	135.3	SIGMA=	3.4	PHAS=	259.6	FOM=	0.36
INDE	4	31	3	FOBS=	102.4	SIGMA=	61.9	PHAS=	345.7	FOM=	0.07
INDE	4	31	4	FOBS=	122.7	SIGMA=	4.5	PHAS=	269.2	FOM=	0.24
INDE	4	32	0	FOBS=	109.1	SIGMA=	3.9	PHAS=	116.8	FOM=	0.23
INDE	4	32	1	FOBS=	98.5	SIGMA=	4.4	PHAS=	66.2	FOM=	0.18
INDE	4	32	2	FOBS=	99.3	SIGMA=	4.7	PHAS=	322.7	FOM=	0.04
INDE	5	0	0	FOBS=	693.7	SIGMA=	1.1	PHAS=	0.0	FOM=	1.00
INDE	5	0	1	FOBS=	348.6	SIGMA=	1.6	PHAS=	180.0	FOM=	1.00
INDE	5	0	2	FOBS=	78.0	SIGMA=	7.0	PHAS=	0.0	FOM=	0.24
INDE	5	0	3	FOBS=	39.3	SIGMA=	13.9	PHAS=	180.0	FOM=	0.09
INDE	5	0	4	FOBS=	89.8	SIGMA=	11.5	PHAS=	0.0	FOM=	0.22
INDE	5	0	5	FOBS=	164.1	SIGMA=	4.8	PHAS=	180.0	FOM=	0.09
INDE	5	0	6	FOBS=	163.1	SIGMA=	5.9	PHAS=	180.0	FOM=	0.38
INDE	5	0	7	FOBS=	75.8	SIGMA=	13.3	PHAS=	0.0	FOM=	0.08
INDE	5	0	8	FOBS=	177.6	SIGMA=	7.1	PHAS=	0.0	FOM=	0.07
INDE	5	0	9	FOBS=	251.5	SIGMA=	4.9	PHAS=	0.0	FOM=	0.03
INDE	5	0	10	FOBS=	158.3	SIGMA=	31.5	PHAS=	0.0	FOM=	0.06
INDE	5	0	11	FOBS=	193.2	SIGMA=	10.0	PHAS=	180.0	FOM=	0.06
INDE	5	0	12	FOBS=	47.8	SIGMA=	30.2	PHAS=	0.0	FOM=	0.13
INDE	5	0	13	FOBS=	64.4	SIGMA=	25.3	PHAS=	180.0	FOM=	0.02
INDE	5	0	14	FOBS=	59.3	SIGMA=	44.6	PHAS=	180.0	FOM=	0.01

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INDE	5	1	0	FOBS=	228.3	SIGMA=	1.6	PHAS=	122.5	FOM=	0.96
INDE	5	1	1	FOBS=	429.0	SIGMA=	1.1	PHAS=	283.9	FOM=	1.00
INDE	5	1	2	FOBS=	413.3	SIGMA=	1.1	PHAS=	111.1	FOM=	0.98
INDE	5	1	3	FOBS=	231.4	SIGMA=	2.7	PHAS=	303.0	FOM=	0.99
INDE	5	1	4	FOBS=	149.9	SIGMA=	3.5	PHAS=	331.5	FOM=	0.73
INDE	5	1	5	FOBS=	163.9	SIGMA=	4.4	PHAS=	49.9	FOM=	0.78
INDE	5	1	6	FOBS=	44.2	SIGMA=	15.6	PHAS=	276.9	FOM=	0.32
INDE	5	1	7	FOBS=	318.6	SIGMA=	2.2	PHAS=	55.0	FOM=	0.83
INDE	5	1	8	FOBS=	223.7	SIGMA=	3.9	PHAS=	350.6	FOM=	0.33
INDE	5	1	9	FOBS=	274.0	SIGMA=	3.2	PHAS=	165.9	FOM=	0.19
INDE	5	1	10	FOBS=	383.6	SIGMA=	2.6	PHAS=	86.3	FOM=	0.26
INDE	5	1	11	FOBS=	230.0	SIGMA=	4.7	PHAS=	30.8	FOM=	0.18
INDE	5	1	12	FOBS=	85.0	SIGMA=	11.8	PHAS=	145.2	FOM=	0.09
INDE	5	1	13	FOBS=	89.9	SIGMA=	12.0	PHAS=	31.4	FOM=	0.03
INDE	5	1	14	FOBS=	54.6	SIGMA=	37.5	PHAS=	261.8	FOM=	0.09
INDE	5	1	15	FOBS=	89.8	SIGMA=	11.5	PHAS=	153.5	FOM=	0.05
INDE	5	2	0	FOBS=	171.5	SIGMA=	2.0	PHAS=	3.6	FOM=	0.98
INDE	5	2	1	FOBS=	199.4	SIGMA=	2.3	PHAS=	229.3	FOM=	0.55
INDE	5	2	2	FOBS=	282.4	SIGMA=	1.7	PHAS=	131.1	FOM=	0.93
INDE	5	2	3	FOBS=	212.3	SIGMA=	2.1	PHAS=	10.2	FOM=	0.89
INDE	5	2	4	FOBS=	175.6	SIGMA=	2.8	PHAS=	358.1	FOM=	0.89
INDE	5	2	5	FOBS=	256.8	SIGMA=	2.2	PHAS=	186.6	FOM=	0.86
INDE	5	2	6	FOBS=	250.5	SIGMA=	2.8	PHAS=	5.9	FOM=	0.92
INDE	5	2	7	FOBS=	57.1	SIGMA=	12.7	PHAS=	93.4	FOM=	0.21
INDE	5	2	8	FOBS=	407.3	SIGMA=	2.5	PHAS=	162.6	FOM=	0.56
INDE	5	2	9	FOBS=	184.9	SIGMA=	4.9	PHAS=	228.6	FOM=	0.14
INDE	5	2	10	FOBS=	361.2	SIGMA=	3.1	PHAS=	287.6	FOM=	0.67
INDE	5	2	11	FOBS=	175.7	SIGMA=	6.1	PHAS=	140.5	FOM=	0.16
INDE	5	2	12	FOBS=	92.7	SIGMA=	11.6	PHAS=	32.8	FOM=	0.11
INDE	5	2	13	FOBS=	71.1	SIGMA=	14.5	PHAS=	299.2	FOM=	0.12
INDE	5	2	14	FOBS=	68.4	SIGMA=	36.1	PHAS=	147.8	FOM=	0.05
INDE	5	2	15	FOBS=	100.1	SIGMA=	10.9	PHAS=	49.8	FOM=	0.07
INDE	5	3	0	FOBS=	286.6	SIGMA=	1.4	PHAS=	224.4	FOM=	0.95
INDE	5	3	1	FOBS=	328.9	SIGMA=	1.4	PHAS=	138.4	FOM=	0.98
INDE	5	3	2	FOBS=	314.0	SIGMA=	1.5	PHAS=	58.6	FOM=	0.94
INDE	5	3	3	FOBS=	61.9	SIGMA=	6.9	PHAS=	148.2	FOM=	0.23
INDE	5	3	4	FOBS=	235.8	SIGMA=	2.4	PHAS=	15.9	FOM=	0.86
INDE	5	3	5	FOBS=	340.0	SIGMA=	1.7	PHAS=	82.5	FOM=	0.55
INDE	5	3	6	FOBS=	229.0	SIGMA=	2.6	PHAS=	177.6	FOM=	0.30
INDE	5	3	7	FOBS=	177.6	SIGMA=	4.8	PHAS=	232.3	FOM=	0.85
INDE	5	3	8	FOBS=	86.7	SIGMA=	11.4	PHAS=	0.1	FOM=	0.38
INDE	5	3	9	FOBS=	301.3	SIGMA=	2.8	PHAS=	279.8	FOM=	0.84
INDE	5	3	10	FOBS=	148.8	SIGMA=	8.7	PHAS=	348.3	FOM=	0.24
INDE	5	3	11	FOBS=	166.6	SIGMA=	6.4	PHAS=	108.2	FOM=	0.37
INDE	5	3	12	FOBS=	108.3	SIGMA=	9.9	PHAS=	327.4	FOM=	0.23
INDE	5	3	13	FOBS=	101.1	SIGMA=	9.9	PHAS=	122.2	FOM=	0.28
INDE	5	3	14	FOBS=	72.1	SIGMA=	13.0	PHAS=	248.9	FOM=	0.01
INDE	5	3	15	FOBS=	80.6	SIGMA=	12.4	PHAS=	341.3	FOM=	0.04
INDE	5	4	0	FOBS=	132.0	SIGMA=	2.5	PHAS=	297.5	FOM=	0.50
INDE	5	4	1	FOBS=	242.6	SIGMA=	1.8	PHAS=	278.8	FOM=	0.94
INDE	5	4	2	FOBS=	72.9	SIGMA=	5.8	PHAS=	124.7	FOM=	0.38
INDE	5	4	3	FOBS=	156.4	SIGMA=	2.8	PHAS=	267.2	FOM=	0.79
INDE	5	4	4	FOBS=	74.3	SIGMA=	7.0	PHAS=	353.3	FOM=	0.58
INDE	5	4	5	FOBS=	271.5	SIGMA=	2.1	PHAS=	132.8	FOM=	0.74
INDE	5	4	6	FOBS=	217.1	SIGMA=	2.8	PHAS=	227.7	FOM=	0.89
INDE	5	4	7	FOBS=	295.6	SIGMA=	2.3	PHAS=	328.9	FOM=	0.82
INDE	5	4	8	FOBS=	247.6	SIGMA=	3.8	PHAS=	297.8	FOM=	0.88
INDE	5	4	9	FOBS=	164.9	SIGMA=	6.3	PHAS=	106.8	FOM=	0.42
INDE	5	4	10	FOBS=	115.9	SIGMA=	11.2	PHAS=	26.5	FOM=	0.12
INDE	5	4	11	FOBS=	115.4	SIGMA=	10.1	PHAS=	273.7	FOM=	0.11
INDE	5	4	12	FOBS=	213.7	SIGMA=	4.7	PHAS=	136.6	FOM=	0.12
INDE	5	4	13	FOBS=	104.3	SIGMA=	9.1	PHAS=	279.6	FOM=	0.02
INDE	5	4	14	FOBS=	62.8	SIGMA=	37.9	PHAS=	16.2	FOM=	0.00
INDE	5	4	15	FOBS=	66.1	SIGMA=	32.1	PHAS=	23.6	FOM=	0.17
INDE	5	5	0	FOBS=	306.3	SIGMA=	1.4	PHAS=	231.6	FOM=	0.93
INDE	5	5	1	FOBS=	172.4	SIGMA=	2.1	PHAS=	155.8	FOM=	0.94
INDE	5	5	2	FOBS=	259.8	SIGMA=	1.9	PHAS=	195.8	FOM=	0.70
INDE	5	5	3	FOBS=	150.0	SIGMA=	3.2	PHAS=	192.8	FOM=	0.77
INDE	5	5	4	FOBS=	191.4	SIGMA=	2.6	PHAS=	7.3	FOM=	0.96
INDE	5	5	5	FOBS=	255.0	SIGMA=	2.4	PHAS=	182.7	FOM=	0.99
INDE	5	5	6	FOBS=	418.0	SIGMA=	1.6	PHAS=	358.4	FOM=	0.93

Fig. 10A-111

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INDE	5	5	7	FOBS=	166.2	SIGMA=	4.3	PHAS=	338.7	FOM=	0.79
INDE	5	5	8	FOBS=	251.2	SIGMA=	3.1	PHAS=	53.2	FOM=	0.95
INDE	5	5	9	FOBS=	340.5	SIGMA=	2.5	PHAS=	59.0	FOM=	0.90
INDE	5	5	10	FOBS=	108.7	SIGMA=	13.2	PHAS=	348.8	FOM=	0.03
INDE	5	5	11	FOBS=	126.0	SIGMA=	9.5	PHAS=	105.0	FOM=	0.13
INDE	5	5	12	FOBS=	124.6	SIGMA=	7.7	PHAS=	337.2	FOM=	0.33
INDE	5	5	13	FOBS=	259.2	SIGMA=	3.6	PHAS=	129.6	FOM=	0.77
INDE	5	5	14	FOBS=	66.4	SIGMA=	36.7	PHAS=	346.4	FOM=	0.04
INDE	5	5	15	FOBS=	485.3	SIGMA=	323.2	PHAS=	231.1	FOM=	0.01
INDE	6	6	0	FOBS=	116.0	SIGMA=	3.1	PHAS=	335.0	FOM=	0.87
INDE	6	6	1	FOBS=	118.7	SIGMA=	3.3	PHAS=	231.2	FOM=	0.79
INDE	6	6	2	FOBS=	377.5	SIGMA=	1.3	PHAS=	236.0	FOM=	0.45
INDE	6	6	3	FOBS=	64.8	SIGMA=	7.3	PHAS=	243.4	FOM=	0.41
INDE	6	6	4	FOBS=	177.9	SIGMA=	3.0	PHAS=	99.4	FOM=	0.11
INDE	6	6	5	FOBS=	59.2	SIGMA=	9.0	PHAS=	66.5	FOM=	0.18
INDE	6	6	6	FOBS=	200.5	SIGMA=	3.3	PHAS=	236.3	FOM=	0.65
INDE	6	6	7	FOBS=	139.9	SIGMA=	4.8	PHAS=	348.3	FOM=	0.31
INDE	6	6	8	FOBS=	222.8	SIGMA=	3.3	PHAS=	211.6	FOM=	0.66
INDE	6	6	9	FOBS=	179.1	SIGMA=	5.4	PHAS=	75.7	FOM=	0.10
INDE	6	6	10	FOBS=	159.2	SIGMA=	7.0	PHAS=	306.8	FOM=	0.18
INDE	6	6	11	FOBS=	216.1	SIGMA=	5.2	PHAS=	112.2	FOM=	0.41
INDE	6	6	12	FOBS=	64.4	SIGMA=	18.1	PHAS=	73.7	FOM=	0.02
INDE	6	6	13	FOBS=	107.7	SIGMA=	10.0	PHAS=	30.5	FOM=	0.05
INDE	6	6	14	FOBS=	121.6	SIGMA=	7.5	PHAS=	254.4	FOM=	0.13
INDE	7	7	0	FOBS=	218.1	SIGMA=	1.6	PHAS=	298.7	FOM=	1.00
INDE	7	7	1	FOBS=	154.4	SIGMA=	2.4	PHAS=	66.5	FOM=	0.52
INDE	7	7	2	FOBS=	189.6	SIGMA=	2.2	PHAS=	134.7	FOM=	0.96
INDE	7	7	3	FOBS=	182.9	SIGMA=	2.6	PHAS=	301.7	FOM=	0.60
INDE	7	7	4	FOBS=	178.8	SIGMA=	3.2	PHAS=	50.1	FOM=	0.88
INDE	7	7	5	FOBS=	59.5	SIGMA=	10.1	PHAS=	200.9	FOM=	0.22
INDE	7	7	6	FOBS=	87.1	SIGMA=	6.9	PHAS=	316.7	FOM=	0.23
INDE	7	7	7	FOBS=	188.5	SIGMA=	3.7	PHAS=	45.3	FOM=	0.75
INDE	7	7	8	FOBS=	190.4	SIGMA=	4.5	PHAS=	110.1	FOM=	0.56
INDE	7	7	9	FOBS=	88.3	SIGMA=	10.7	PHAS=	5.1	FOM=	0.20
INDE	7	7	10	FOBS=	352.9	SIGMA=	2.9	PHAS=	124.1	FOM=	0.24
INDE	7	7	11	FOBS=	71.4	SIGMA=	13.9	PHAS=	178.9	FOM=	0.03
INDE	7	7	12	FOBS=	285.7	SIGMA=	3.2	PHAS=	283.2	FOM=	0.71
INDE	7	7	13	FOBS=	58.7	SIGMA=	19.3	PHAS=	149.2	FOM=	0.13
INDE	7	7	14	FOBS=	79.5	SIGMA=	13.4	PHAS=	344.6	FOM=	0.02
INDE	8	8	0	FOBS=	302.4	SIGMA=	1.4	PHAS=	58.2	FOM=	0.52
INDE	8	8	1	FOBS=	224.2	SIGMA=	1.8	PHAS=	217.5	FOM=	0.97
INDE	8	8	2	FOBS=	38.2	SIGMA=	13.6	PHAS=	55.0	FOM=	0.41
INDE	8	8	3	FOBS=	101.5	SIGMA=	4.6	PHAS=	134.2	FOM=	0.56
INDE	8	8	4	FOBS=	262.7	SIGMA=	2.3	PHAS=	251.3	FOM=	0.78
INDE	8	8	5	FOBS=	68.8	SIGMA=	8.0	PHAS=	145.3	FOM=	0.44
INDE	8	8	6	FOBS=	96.3	SIGMA=	6.3	PHAS=	250.5	FOM=	0.16
INDE	8	8	7	FOBS=	204.3	SIGMA=	3.8	PHAS=	34.3	FOM=	0.30
INDE	8	8	8	FOBS=	130.1	SIGMA=	6.5	PHAS=	255.4	FOM=	0.23
INDE	8	8	9	FOBS=	209.8	SIGMA=	4.2	PHAS=	148.1	FOM=	0.35
INDE	8	8	10	FOBS=	207.0	SIGMA=	4.4	PHAS=	345.7	FOM=	0.19
INDE	8	8	11	FOBS=	223.4	SIGMA=	4.0	PHAS=	312.0	FOM=	0.74
INDE	8	8	12	FOBS=	213.9	SIGMA=	4.4	PHAS=	89.7	FOM=	0.35
INDE	8	8	13	FOBS=	74.4	SIGMA=	12.5	PHAS=	60.8	FOM=	0.12
INDE	8	8	14	FOBS=	95.6	SIGMA=	9.4	PHAS=	196.8	FOM=	0.17
INDE	9	9	0	FOBS=	203.4	SIGMA=	1.9	PHAS=	227.8	FOM=	0.90
INDE	9	9	1	FOBS=	72.5	SIGMA=	5.2	PHAS=	69.3	FOM=	0.23
INDE	9	9	2	FOBS=	209.0	SIGMA=	2.0	PHAS=	283.5	FOM=	0.97
INDE	9	9	3	FOBS=	88.3	SIGMA=	6.0	PHAS=	248.0	FOM=	0.83
INDE	9	9	4	FOBS=	43.3	SIGMA=	11.5	PHAS=	51.0	FOM=	0.34
INDE	9	9	5	FOBS=	144.9	SIGMA=	4.4	PHAS=	37.8	FOM=	0.81
INDE	9	9	6	FOBS=	250.4	SIGMA=	2.9	PHAS=	305.4	FOM=	0.97
INDE	9	9	7	FOBS=	266.6	SIGMA=	2.8	PHAS=	351.0	FOM=	0.61
INDE	9	9	8	FOBS=	198.8	SIGMA=	4.0	PHAS=	170.2	FOM=	0.51
INDE	9	9	9	FOBS=	55.9	SIGMA=	17.4	PHAS=	5.9	FOM=	0.10
INDE	9	9	10	FOBS=	247.9	SIGMA=	3.5	PHAS=	233.1	FOM=	0.76
INDE	9	9	11	FOBS=	112.9	SIGMA=	7.6	PHAS=	220.6	FOM=	0.10
INDE	9	9	12	FOBS=	80.1	SIGMA=	11.9	PHAS=	73.1	FOM=	0.16
INDE	9	9	13	FOBS=	44.5	SIGMA=	21.4	PHAS=	273.0	FOM=	0.22
INDE	10	10	0	FOBS=	124.2	SIGMA=	7.0	PHAS=	323.8	FOM=	0.08
INDE	10	10	1	FOBS=	35.7	SIGMA=	11.4	PHAS=	158.8	FOM=	0.27
INDE	10	10	2	FOBS=	257.0	SIGMA=	1.6	PHAS=	264.1	FOM=	0.74

Fig. 10A-112

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INDE	5	10	2	FOBS=	199.3	SIGMA=	2.2	PHAS=	75.4	FOM=	0.85
INDE	5	10	3	FOBS=	174.6	SIGMA=	2.7	PHAS=	309.9	FOM=	0.83
INDE	5	10	4	FOBS=	146.3	SIGMA=	3.6	PHAS=	187.2	FOM=	0.79
INDE	5	10	5	FOBS=	192.3	SIGMA=	3.0	PHAS=	121.0	FOM=	0.40
INDE	5	10	6	FOBS=	332.4	SIGMA=	2.6	PHAS=	305.2	FOM=	0.97
INDE	5	10	7	FOBS=	394.6	SIGMA=	2.3	PHAS=	124.5	FOM=	0.97
INDE	5	10	8	FOBS=	194.0	SIGMA=	4.2	PHAS=	234.8	FOM=	0.52
INDE	5	10	9	FOBS=	215.5	SIGMA=	3.9	PHAS=	315.6	FOM=	0.84
INDE	5	10	10	FOBS=	62.9	SIGMA=	14.1	PHAS=	124.4	FOM=	0.10
INDE	5	10	11	FOBS=	96.7	SIGMA=	8.7	PHAS=	170.6	FOM=	0.10
INDE	5	10	12	FOBS=	178.2	SIGMA=	4.9	PHAS=	33.7	FOM=	0.13
INDE	5	10	13	FOBS=	84.3	SIGMA=	9.7	PHAS=	264.0	FOM=	0.42
INDE	5	10	14	FOBS=	51.1	SIGMA=	23.5	PHAS=	113.9	FOM=	0.02
INDE	5	11	0	FOBS=	147.5	SIGMA=	2.4	PHAS=	210.6	FOM=	0.66
INDE	5	11	1	FOBS=	143.1	SIGMA=	2.9	PHAS=	269.7	FOM=	0.94
INDE	5	11	2	FOBS=	160.8	SIGMA=	2.6	PHAS=	0.8	FOM=	0.91
INDE	5	11	3	FOBS=	245.3	SIGMA=	2.0	PHAS=	306.2	FOM=	0.52
INDE	5	11	4	FOBS=	227.7	SIGMA=	2.3	PHAS=	161.4	FOM=	0.56
INDE	5	11	5	FOBS=	144.9	SIGMA=	4.2	PHAS=	254.9	FOM=	0.10
INDE	5	11	6	FOBS=	395.1	SIGMA=	2.0	PHAS=	343.0	FOM=	0.65
INDE	5	11	7	FOBS=	249.8	SIGMA=	3.0	PHAS=	189.9	FOM=	0.93
INDE	5	11	8	FOBS=	191.9	SIGMA=	4.7	PHAS=	318.3	FOM=	0.68
INDE	5	11	9	FOBS=	81.8	SIGMA=	10.8	PHAS=	261.5	FOM=	0.14
INDE	5	11	10	FOBS=	239.2	SIGMA=	3.5	PHAS=	111.0	FOM=	0.93
INDE	5	11	11	FOBS=	72.0	SIGMA=	12.2	PHAS=	328.6	FOM=	0.11
INDE	5	11	12	FOBS=	107.5	SIGMA=	7.7	PHAS=	297.1	FOM=	0.10
INDE	5	11	13	FOBS=	123.1	SIGMA=	6.8	PHAS=	117.1	FOM=	0.04
INDE	5	11	14	FOBS=	58.3	SIGMA=	15.4	PHAS=	80.8	FOM=	0.01
INDE	5	12	0	FOBS=	104.0	SIGMA=	3.6	PHAS=	314.5	FOM=	0.39
INDE	5	12	1	FOBS=	110.8	SIGMA=	3.7	PHAS=	92.2	FOM=	0.46
INDE	5	12	2	FOBS=	173.7	SIGMA=	2.5	PHAS=	315.7	FOM=	0.93
INDE	5	12	3	FOBS=	153.7	SIGMA=	3.1	PHAS=	254.5	FOM=	0.11
INDE	5	12	4	FOBS=	142.7	SIGMA=	4.0	PHAS=	340.8	FOM=	0.38
INDE	5	12	5	FOBS=	127.6	SIGMA=	5.2	PHAS=	274.9	FOM=	0.53
INDE	5	12	6	FOBS=	152.6	SIGMA=	4.5	PHAS=	281.0	FOM=	0.14
INDE	5	12	7	FOBS=	508.5	SIGMA=	1.8	PHAS=	247.2	FOM=	0.99
INDE	5	12	8	FOBS=	126.4	SIGMA=	6.6	PHAS=	273.8	FOM=	0.52
INDE	5	12	9	FOBS=	131.8	SIGMA=	6.9	PHAS=	77.3	FOM=	0.16
INDE	5	12	10	FOBS=	59.5	SIGMA=	14.0	PHAS=	165.6	FOM=	0.07
INDE	5	12	11	FOBS=	70.2	SIGMA=	11.6	PHAS=	289.7	FOM=	0.12
INDE	5	12	12	FOBS=	45.1	SIGMA=	18.9	PHAS=	104.4	FOM=	0.15
INDE	5	12	13	FOBS=	43.0	SIGMA=	16.5	PHAS=	223.0	FOM=	0.06
INDE	5	12	14	FOBS=	82.8	SIGMA=	45.6	PHAS=	7.3	FOM=	0.06
INDE	5	13	0	FOBS=	252.3	SIGMA=	1.6	PHAS=	112.5	FOM=	0.92
INDE	5	13	1	FOBS=	212.9	SIGMA=	1.9	PHAS=	282.4	FOM=	0.89
INDE	5	13	2	FOBS=	170.9	SIGMA=	2.5	PHAS=	122.0	FOM=	0.86
INDE	5	13	3	FOBS=	444.0	SIGMA=	1.3	PHAS=	93.1	FOM=	0.99
INDE	5	13	4	FOBS=	279.4	SIGMA=	2.2	PHAS=	258.7	FOM=	0.97
INDE	5	13	5	FOBS=	91.4	SIGMA=	6.6	PHAS=	136.2	FOM=	0.31
INDE	5	13	6	FOBS=	450.3	SIGMA=	1.6	PHAS=	88.1	FOM=	0.90
INDE	5	13	7	FOBS=	129.0	SIGMA=	5.3	PHAS=	196.6	FOM=	0.62
INDE	5	13	8	FOBS=	363.2	SIGMA=	2.2	PHAS=	253.5	FOM=	0.66
INDE	5	13	9	FOBS=	50.7	SIGMA=	26.7	PHAS=	347.4	FOM=	0.12
INDE	5	13	10	FOBS=	163.7	SIGMA=	5.1	PHAS=	222.1	FOM=	0.47
INDE	5	13	11	FOBS=	120.4	SIGMA=	6.8	PHAS=	9.9	FOM=	0.18
INDE	5	13	12	FOBS=	162.4	SIGMA=	5.1	PHAS=	300.4	FOM=	0.05
INDE	5	13	13	FOBS=	65.6	SIGMA=	29.7	PHAS=	172.2	FOM=	0.05
INDE	5	14	0	FOBS=	213.4	SIGMA=	1.9	PHAS=	43.4	FOM=	0.97
INDE	5	14	1	FOBS=	379.4	SIGMA=	1.5	PHAS=	119.4	FOM=	1.00
INDE	5	14	2	FOBS=	258.2	SIGMA=	1.9	PHAS=	77.6	FOM=	0.84
INDE	5	14	3	FOBS=	229.5	SIGMA=	2.4	PHAS=	247.0	FOM=	0.94
INDE	5	14	4	FOBS=	421.4	SIGMA=	1.6	PHAS=	167.2	FOM=	0.95
INDE	5	14	5	FOBS=	372.6	SIGMA=	1.7	PHAS=	53.1	FOM=	0.91
INDE	5	14	6	FOBS=	317.7	SIGMA=	2.1	PHAS=	99.7	FOM=	0.21
INDE	5	14	7	FOBS=	169.7	SIGMA=	4.2	PHAS=	49.3	FOM=	0.77
INDE	5	14	8	FOBS=	150.7	SIGMA=	5.1	PHAS=	269.2	FOM=	0.43
INDE	5	14	9	FOBS=	173.3	SIGMA=	4.7	PHAS=	64.7	FOM=	0.22
INDE	5	14	10	FOBS=	97.1	SIGMA=	8.8	PHAS=	61.5	FOM=	0.02
INDE	5	14	11	FOBS=	181.2	SIGMA=	4.6	PHAS=	356.6	FOM=	0.29
INDE	5	14	12	FOBS=	42.5	SIGMA=	19.8	PHAS=	167.9	FOM=	0.26
INDE	5	14	13	FOBS=	57.3	SIGMA=	18.6	PHAS=	276.7	FOM=	0.03

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INDE	5	15	0	FOBS=	198.0	SIGMA=	2.0	PHAS=	222.1	FOM=	0.75
INDE	5	15	1	FOBS=	182.8	SIGMA=	2.3	PHAS=	24.0	FOM=	0.81
INDE	5	15	2	FOBS=	495.6	SIGMA=	1.3	PHAS=	273.9	FOM=	0.98
INDE	5	15	3	FOBS=	688.8	SIGMA=	1.5	PHAS=	80.2	FOM=	0.99
INDE	5	15	4	FOBS=	254.1	SIGMA=	2.2	PHAS=	186.6	FOM=	0.91
INDE	5	15	5	FOBS=	228.4	SIGMA=	2.5	PHAS=	116.4	FOM=	0.94
INDE	5	15	6	FOBS=	166.1	SIGMA=	3.8	PHAS=	350.8	FOM=	0.71
INDE	5	15	7	FOBS=	197.4	SIGMA=	3.6	PHAS=	351.0	FOM=	0.85
INDE	5	15	8	FOBS=	183.6	SIGMA=	4.2	PHAS=	175.0	FOM=	0.89
INDE	5	15	9	FOBS=	67.7	SIGMA=	11.0	PHAS=	9.8	FOM=	0.19
INDE	5	15	10	FOBS=	149.3	SIGMA=	6.6	PHAS=	27.3	FOM=	0.07
INDE	5	15	11	FOBS=	74.5	SIGMA=	11.7	PHAS=	207.3	FOM=	0.05
INDE	5	15	12	FOBS=	59.8	SIGMA=	14.5	PHAS=	292.0	FOM=	0.03
INDE	5	15	13	FOBS=	48.7	SIGMA=	22.4	PHAS=	159.5	FOM=	0.04
INDE	5	16	0	FOBS=	72.0	SIGMA=	5.3	PHAS=	34.5	FOM=	0.77
INDE	5	16	1	FOBS=	283.1	SIGMA=	1.7	PHAS=	271.3	FOM=	0.96
INDE	5	16	2	FOBS=	281.0	SIGMA=	2.0	PHAS=	138.5	FOM=	0.94
INDE	5	16	3	FOBS=	448.5	SIGMA=	1.4	PHAS=	254.1	FOM=	0.95
INDE	5	16	4	FOBS=	421.8	SIGMA=	1.5	PHAS=	197.3	FOM=	0.98
INDE	5	16	5	FOBS=	83.3	SIGMA=	7.1	PHAS=	29.6	FOM=	0.51
INDE	5	16	6	FOBS=	165.8	SIGMA=	3.9	PHAS=	132.2	FOM=	0.04
INDE	5	16	7	FOBS=	252.8	SIGMA=	2.7	PHAS=	156.2	FOM=	0.55
INDE	5	16	8	FOBS=	244.8	SIGMA=	3.0	PHAS=	304.0	FOM=	0.50
INDE	5	16	9	FOBS=	84.2	SIGMA=	61.5	PHAS=	82.7	FOM=	0.07
INDE	5	16	10	FOBS=	86.1	SIGMA=	9.6	PHAS=	35.8	FOM=	0.14
INDE	5	16	11	FOBS=	79.8	SIGMA=	10.4	PHAS=	272.6	FOM=	0.26
INDE	5	16	13	FOBS=	102.6	SIGMA=	66.1	PHAS=	34.0	FOM=	0.06
INDE	5	17	0	FOBS=	223.4	SIGMA=	2.0	PHAS=	234.1	FOM=	0.99
INDE	5	17	1	FOBS=	286.0	SIGMA=	1.8	PHAS=	110.1	FOM=	1.00
INDE	5	17	2	FOBS=	220.8	SIGMA=	2.2	PHAS=	308.0	FOM=	0.46
INDE	5	17	3	FOBS=	303.5	SIGMA=	1.8	PHAS=	24.0	FOM=	0.98
INDE	5	17	4	FOBS=	104.6	SIGMA=	5.3	PHAS=	109.0	FOM=	0.32
INDE	5	17	5	FOBS=	104.1	SIGMA=	5.7	PHAS=	104.0	FOM=	0.23
INDE	5	17	6	FOBS=	151.1	SIGMA=	4.4	PHAS=	267.5	FOM=	0.18
INDE	5	17	7	FOBS=	267.6	SIGMA=	2.6	PHAS=	70.1	FOM=	0.44
INDE	5	17	8	FOBS=	102.9	SIGMA=	6.8	PHAS=	121.3	FOM=	0.23
INDE	5	17	9	FOBS=	102.5	SIGMA=	7.1	PHAS=	278.8	FOM=	0.19
INDE	5	17	10	FOBS=	51.1	SIGMA=	16.0	PHAS=	252.8	FOM=	0.17
INDE	5	17	11	FOBS=	105.9	SIGMA=	7.9	PHAS=	174.5	FOM=	0.14
INDE	5	17	12	FOBS=	48.4	SIGMA=	21.0	PHAS=	52.7	FOM=	0.11
INDE	5	18	0	FOBS=	261.4	SIGMA=	1.9	PHAS=	82.7	FOM=	0.97
INDE	5	18	1	FOBS=	383.0	SIGMA=	1.4	PHAS=	321.2	FOM=	0.93
INDE	5	18	2	FOBS=	57.5	SIGMA=	8.1	PHAS=	136.9	FOM=	0.07
INDE	5	18	3	FOBS=	347.6	SIGMA=	1.7	PHAS=	236.4	FOM=	0.63
INDE	5	18	4	FOBS=	335.2	SIGMA=	1.8	PHAS=	254.6	FOM=	0.90
INDE	5	18	5	FOBS=	345.2	SIGMA=	2.0	PHAS=	155.3	FOM=	0.91
INDE	5	18	6	FOBS=	68.7	SIGMA=	12.6	PHAS=	260.1	FOM=	0.36
INDE	5	18	8	FOBS=	123.8	SIGMA=	5.7	PHAS=	89.7	FOM=	0.31
INDE	5	18	9	FOBS=	186.8	SIGMA=	4.3	PHAS=	347.8	FOM=	0.74
INDE	5	18	10	FOBS=	58.4	SIGMA=	13.0	PHAS=	128.7	FOM=	0.20
INDE	5	18	11	FOBS=	66.4	SIGMA=	12.9	PHAS=	324.2	FOM=	0.05
INDE	5	18	12	FOBS=	87.9	SIGMA=	8.7	PHAS=	145.0	FOM=	0.01
INDE	5	19	0	FOBS=	168.7	SIGMA=	2.8	PHAS=	357.6	FOM=	0.61
INDE	5	19	1	FOBS=	68.6	SIGMA=	6.5	PHAS=	350.8	FOM=	0.42
INDE	5	19	2	FOBS=	351.8	SIGMA=	1.6	PHAS=	194.5	FOM=	1.00
INDE	5	19	3	FOBS=	99.4	SIGMA=	5.3	PHAS=	42.3	FOM=	0.35
INDE	5	19	4	FOBS=	254.9	SIGMA=	2.3	PHAS=	152.1	FOM=	0.62
INDE	5	19	5	FOBS=	302.8	SIGMA=	2.2	PHAS=	352.5	FOM=	0.73
INDE	5	19	6	FOBS=	115.0	SIGMA=	5.7	PHAS=	145.6	FOM=	0.08
INDE	5	19	7	FOBS=	89.4	SIGMA=	7.4	PHAS=	81.8	FOM=	0.19
INDE	5	19	8	FOBS=	85.8	SIGMA=	8.2	PHAS=	265.7	FOM=	0.17
INDE	5	19	9	FOBS=	83.1	SIGMA=	88.3	PHAS=	103.4	FOM=	0.02
INDE	5	19	10	FOBS=	75.0	SIGMA=	9.3	PHAS=	94.8	FOM=	0.08
INDE	5	19	11	FOBS=	104.9	SIGMA=	7.1	PHAS=	202.5	FOM=	0.02
INDE	5	19	12	FOBS=	76.1	SIGMA=	15.0	PHAS=	106.8	FOM=	0.06
INDE	5	20	0	FOBS=	227.3	SIGMA=	1.9	PHAS=	218.7	FOM=	0.44
INDE	5	20	1	FOBS=	347.0	SIGMA=	1.5	PHAS=	309.9	FOM=	0.52
INDE	5	20	2	FOBS=	394.0	SIGMA=	1.5	PHAS=	180.0	FOM=	0.97
INDE	5	20	3	FOBS=	270.6	SIGMA=	2.1	PHAS=	114.9	FOM=	0.94
INDE	5	20	4	FOBS=	146.9	SIGMA=	4.1	PHAS=	134.7	FOM=	0.22
INDE	5	20	5	FOBS=	119.8	SIGMA=	5.3	PHAS=	260.3	FOM=	0.28

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INDE	5	20	6	FOBS=	260.6	SIGMA=	2.5	PHAS=	290.0	FOM=	0.88
INDE	5	20	7	FOBS=	80.0	SIGMA=	8.1	PHAS=	181.8	FOM=	0.17
INDE	5	20	8	FOBS=	135.2	SIGMA=	5.1	PHAS=	301.6	FOM=	0.06
INDE	5	20	9	FOBS=	190.7	SIGMA=	3.8	PHAS=	353.0	FOM=	0.77
INDE	5	20	10	FOBS=	46.6	SIGMA=	15.0	PHAS=	164.2	FOM=	0.52
INDE	5	20	11	FOBS=	167.0	SIGMA=	4.3	PHAS=	247.7	FOM=	0.11
INDE	5	21	0	FOBS=	367.0	SIGMA=	1.4	PHAS=	296.7	FOM=	0.96
INDE	5	21	1	FOBS=	163.6	SIGMA=	3.0	PHAS=	119.3	FOM=	0.86
INDE	5	21	2	FOBS=	61.8	SIGMA=	8.4	PHAS=	205.5	FOM=	0.22
INDE	5	21	3	FOBS=	259.4	SIGMA=	2.2	PHAS=	247.2	FOM=	0.33
INDE	5	21	4	FOBS=	187.1	SIGMA=	3.2	PHAS=	216.4	FOM=	0.38
INDE	5	21	5	FOBS=	68.2	SIGMA=	8.8	PHAS=	311.0	FOM=	0.11
INDE	5	21	6	FOBS=	94.3	SIGMA=	6.6	PHAS=	106.4	FOM=	0.15
INDE	5	21	7	FOBS=	150.3	SIGMA=	4.5	PHAS=	107.5	FOM=	0.17
INDE	5	21	8	FOBS=	138.9	SIGMA=	5.0	PHAS=	58.0	FOM=	0.55
INDE	5	21	9	FOBS=	39.9	SIGMA=	18.5	PHAS=	288.5	FOM=	0.04
INDE	5	21	10	FOBS=	56.6	SIGMA=	27.5	PHAS=	163.7	FOM=	0.08
INDE	5	21	11	FOBS=	64.2	SIGMA=	11.1	PHAS=	6.4	FOM=	0.03
INDE	5	22	0	FOBS=	190.0	SIGMA=	2.4	PHAS=	216.7	FOM=	0.94
INDE	5	22	1	FOBS=	397.6	SIGMA=	1.5	PHAS=	44.9	FOM=	1.00
INDE	5	22	2	FOBS=	471.6	SIGMA=	1.5	PHAS=	228.9	FOM=	0.98
INDE	5	22	3	FOBS=	50.7	SIGMA=	18.5	PHAS=	331.6	FOM=	0.30
INDE	5	22	4	FOBS=	92.6	SIGMA=	6.0	PHAS=	10.7	FOM=	0.52
INDE	5	22	5	FOBS=	205.4	SIGMA=	2.9	PHAS=	94.2	FOM=	0.61
INDE	5	22	6	FOBS=	180.8	SIGMA=	3.5	PHAS=	141.1	FOM=	0.79
INDE	5	22	7	FOBS=	61.2	SIGMA=	11.4	PHAS=	337.5	FOM=	0.06
INDE	5	22	8	FOBS=	160.5	SIGMA=	4.2	PHAS=	346.2	FOM=	0.18
INDE	5	22	9	FOBS=	67.3	SIGMA=	9.9	PHAS=	150.8	FOM=	0.39
INDE	5	22	10	FOBS=	61.5	SIGMA=	25.7	PHAS=	208.8	FOM=	0.08
INDE	5	23	0	FOBS=	87.6	SIGMA=	5.9	PHAS=	319.7	FOM=	0.22
INDE	5	23	1	FOBS=	181.2	SIGMA=	2.7	PHAS=	332.9	FOM=	0.79
INDE	5	23	2	FOBS=	103.6	SIGMA=	5.4	PHAS=	187.0	FOM=	0.77
INDE	5	23	3	FOBS=	62.2	SIGMA=	8.8	PHAS=	12.4	FOM=	0.38
INDE	5	23	4	FOBS=	113.0	SIGMA=	5.1	PHAS=	267.5	FOM=	0.01
INDE	5	23	5	FOBS=	90.2	SIGMA=	6.7	PHAS=	234.0	FOM=	0.55
INDE	5	23	6	FOBS=	119.3	SIGMA=	5.1	PHAS=	324.9	FOM=	0.16
INDE	5	23	7	FOBS=	36.5	SIGMA=	14.9	PHAS=	334.7	FOM=	0.19
INDE	5	23	8	FOBS=	108.5	SIGMA=	6.0	PHAS=	203.5	FOM=	0.43
INDE	5	23	9	FOBS=	46.8	SIGMA=	22.2	PHAS=	103.9	FOM=	0.08
INDE	5	23	10	FOBS=	111.8	SIGMA=	5.9	PHAS=	324.4	FOM=	0.06
INDE	5	24	0	FOBS=	155.4	SIGMA=	3.9	PHAS=	324.5	FOM=	0.99
INDE	5	24	1	FOBS=	108.3	SIGMA=	4.9	PHAS=	147.5	FOM=	0.89
INDE	5	24	2	FOBS=	222.5	SIGMA=	2.4	PHAS=	290.6	FOM=	0.63
INDE	5	24	3	FOBS=	301.2	SIGMA=	2.0	PHAS=	298.6	FOM=	0.89
INDE	5	24	4	FOBS=	104.1	SIGMA=	5.2	PHAS=	90.2	FOM=	0.33
INDE	5	24	5	FOBS=	47.0	SIGMA=	14.8	PHAS=	354.2	FOM=	0.27
INDE	5	24	6	FOBS=	69.4	SIGMA=	8.6	PHAS=	100.8	FOM=	0.27
INDE	5	24	7	FOBS=	102.6	SIGMA=	5.9	PHAS=	262.8	FOM=	0.48
INDE	5	24	8	FOBS=	112.5	SIGMA=	5.6	PHAS=	17.3	FOM=	0.11
INDE	5	24	9	FOBS=	77.2	SIGMA=	8.3	PHAS=	131.0	FOM=	0.01
INDE	5	25	0	FOBS=	165.2	SIGMA=	3.4	PHAS=	330.7	FOM=	0.82
INDE	5	25	1	FOBS=	48.4	SIGMA=	12.1	PHAS=	83.9	FOM=	0.35
INDE	5	25	2	FOBS=	119.8	SIGMA=	4.2	PHAS=	46.9	FOM=	0.48
INDE	5	25	3	FOBS=	83.2	SIGMA=	6.5	PHAS=	277.2	FOM=	0.10
INDE	5	25	4	FOBS=	63.1	SIGMA=	8.6	PHAS=	151.9	FOM=	0.24
INDE	5	25	5	FOBS=	46.4	SIGMA=	12.0	PHAS=	324.8	FOM=	0.18
INDE	5	25	6	FOBS=	105.8	SIGMA=	5.5	PHAS=	193.6	FOM=	0.31
INDE	5	25	7	FOBS=	45.7	SIGMA=	39.7	PHAS=	238.6	FOM=	0.13
INDE	5	25	8	FOBS=	56.9	SIGMA=	14.0	PHAS=	353.5	FOM=	0.01
INDE	5	25	9	FOBS=	185.9	SIGMA=	3.8	PHAS=	136.5	FOM=	0.52
INDE	5	26	0	FOBS=	189.4	SIGMA=	2.5	PHAS=	94.6	FOM=	0.92
INDE	5	26	1	FOBS=	82.1	SIGMA=	5.8	PHAS=	244.0	FOM=	0.47
INDE	5	26	2	FOBS=	112.2	SIGMA=	4.5	PHAS=	77.6	FOM=	0.28
INDE	5	26	3	FOBS=	127.3	SIGMA=	4.3	PHAS=	88.8	FOM=	0.48
INDE	5	26	4	FOBS=	216.1	SIGMA=	2.6	PHAS=	275.2	FOM=	0.79
INDE	5	26	5	FOBS=	105.2	SIGMA=	5.4	PHAS=	86.9	FOM=	0.61
INDE	5	26	6	FOBS=	131.5	SIGMA=	4.4	PHAS=	223.6	FOM=	0.29
INDE	5	26	7	FOBS=	55.2	SIGMA=	19.6	PHAS=	14.3	FOM=	0.05
INDE	5	26	8	FOBS=	46.6	SIGMA=	20.4	PHAS=	29.7	FOM=	0.13
INDE	5	27	0	FOBS=	71.9	SIGMA=	6.4	PHAS=	283.1	FOM=	0.61
INDE	5	27	1	FOBS=	175.9	SIGMA=	3.2	PHAS=	2.6	FOM=	0.66

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INDE	5	27	2	FOBS=	209.1	SIGMA=	2.4	PHAS=	174.7	FOM=	0.58
INDE	55	27	3	FOBS=	120.0	SIGMA=	4.5	PHAS=	340.8	FOM=	0.47
INDE	55	27	4	FOBS=	59.9	SIGMA=	38.8	PHAS=	124.8	FOM=	0.14
INDE	55	27	5	FOBS=	45.8	SIGMA=	13.0	PHAS=	313.6	FOM=	0.17
INDE	55	27	6	FOBS=	59.3	SIGMA=	9.8	PHAS=	170.9	FOM=	0.07
INDE	55	27	7	FOBS=	83.0	SIGMA=	6.9	PHAS=	145.9	FOM=	0.05
INDE	55	28	0	FOBS=	103.3	SIGMA=	4.5	PHAS=	164.9	FOM=	0.78
INDE	55	28	1	FOBS=	66.3	SIGMA=	8.4	PHAS=	283.8	FOM=	0.04
INDE	55	28	2	FOBS=	53.4	SIGMA=	8.7	PHAS=	227.8	FOM=	0.10
INDE	55	28	3	FOBS=	244.9	SIGMA=	2.2	PHAS=	54.6	FOM=	0.87
INDE	55	28	4	FOBS=	56.4	SIGMA=	9.1	PHAS=	201.6	FOM=	0.23
INDE	55	28	5	FOBS=	86.9	SIGMA=	6.2	PHAS=	135.3	FOM=	0.23
INDE	55	28	6	FOBS=	72.3	SIGMA=	8.0	PHAS=	347.0	FOM=	0.28
INDE	55	28	7	FOBS=	163.4	SIGMA=	13.5	PHAS=	191.0	FOM=	0.01
INDE	55	29	0	FOBS=	77.1	SIGMA=	5.7	PHAS=	178.4	FOM=	0.22
INDE	55	29	1	FOBS=	49.3	SIGMA=	10.0	PHAS=	326.6	FOM=	0.10
INDE	55	29	2	FOBS=	155.7	SIGMA=	3.1	PHAS=	23.5	FOM=	0.71
INDE	55	29	3	FOBS=	122.2	SIGMA=	4.2	PHAS=	242.3	FOM=	0.41
INDE	55	29	4	FOBS=	171.4	SIGMA=	3.2	PHAS=	195.5	FOM=	0.36
INDE	55	29	5	FOBS=	133.9	SIGMA=	4.2	PHAS=	293.4	FOM=	0.66
INDE	55	29	6	FOBS=	53.2	SIGMA=	22.7	PHAS=	169.4	FOM=	0.11
INDE	55	30	0	FOBS=	125.9	SIGMA=	3.6	PHAS=	358.2	FOM=	0.16
INDE	55	30	1	FOBS=	83.9	SIGMA=	5.2	PHAS=	311.7	FOM=	0.46
INDE	55	30	2	FOBS=	117.7	SIGMA=	5.0	PHAS=	236.1	FOM=	0.74
INDE	55	30	3	FOBS=	58.2	SIGMA=	9.3	PHAS=	85.5	FOM=	0.11
INDE	55	30	4	FOBS=	114.3	SIGMA=	4.5	PHAS=	235.2	FOM=	0.68
INDE	55	31	0	FOBS=	109.0	SIGMA=	4.1	PHAS=	24.6	FOM=	0.53
INDE	55	31	1	FOBS=	263.2	SIGMA=	1.9	PHAS=	329.4	FOM=	0.85
INDE	55	31	2	FOBS=	148.8	SIGMA=	3.9	PHAS=	162.7	FOM=	0.42
INDE	55	31	3	FOBS=	89.0	SIGMA=	6.8	PHAS=	48.4	FOM=	0.28
INDE	55	32	0	FOBS=	151.1	SIGMA=	3.4	PHAS=	27.2	FOM=	0.80
INDE	66	32	0	FOBS=	485.0	SIGMA=	1.8	PHAS=	0.0	FOM=	0.96
INDE	66	0	1	FOBS=	130.1	SIGMA=	5.4	PHAS=	0.0	FOM=	0.59
INDE	66	0	2	FOBS=	234.7	SIGMA=	2.8	PHAS=	180.0	FOM=	0.24
INDE	66	0	3	FOBS=	209.0	SIGMA=	3.3	PHAS=	0.0	FOM=	1.00
INDE	66	0	4	FOBS=	243.0	SIGMA=	3.3	PHAS=	180.0	FOM=	0.97
INDE	66	0	5	FOBS=	168.5	SIGMA=	7.9	PHAS=	0.0	FOM=	0.07
INDE	66	0	6	FOBS=	428.4	SIGMA=	2.5	PHAS=	0.0	FOM=	0.73
INDE	66	0	7	FOBS=	49.5	SIGMA=	47.2	PHAS=	180.0	FOM=	0.31
INDE	66	0	8	FOBS=	62.5	SIGMA=	96.6	PHAS=	0.0	FOM=	0.01
INDE	66	0	9	FOBS=	106.6	SIGMA=	13.4	PHAS=	0.0	FOM=	0.03
INDE	66	10	10	FOBS=	378.5	SIGMA=	4.1	PHAS=	0.0	FOM=	0.77
INDE	66	11	11	FOBS=	117.0	SIGMA=	12.6	PHAS=	0.0	FOM=	0.02
INDE	66	12	12	FOBS=	106.7	SIGMA=	13.4	PHAS=	180.0	FOM=	0.00
INDE	66	13	13	FOBS=	61.6	SIGMA=	22.0	PHAS=	180.0	FOM=	0.02
INDE	66	14	14	FOBS=	124.9	SIGMA=	11.2	PHAS=	0.0	FOM=	0.07
INDE	66	1	0	FOBS=	216.6	SIGMA=	2.4	PHAS=	287.5	FOM=	1.00
INDE	66	1	1	FOBS=	97.0	SIGMA=	4.7	PHAS=	38.2	FOM=	0.91
INDE	66	1	2	FOBS=	166.6	SIGMA=	2.9	PHAS=	271.7	FOM=	0.37
INDE	66	1	3	FOBS=	62.4	SIGMA=	8.7	PHAS=	231.7	FOM=	0.16
INDE	66	1	4	FOBS=	78.0	SIGMA=	7.6	PHAS=	353.7	FOM=	0.15
INDE	66	1	5	FOBS=	134.1	SIGMA=	4.7	PHAS=	335.9	FOM=	0.53
INDE	66	1	6	FOBS=	291.5	SIGMA=	2.7	PHAS=	156.9	FOM=	0.79
INDE	66	1	7	FOBS=	219.0	SIGMA=	4.0	PHAS=	284.4	FOM=	0.13
INDE	66	1	8	FOBS=	70.1	SIGMA=	14.8	PHAS=	323.2	FOM=	0.09
INDE	66	1	9	FOBS=	100.1	SIGMA=	9.8	PHAS=	102.8	FOM=	0.10
INDE	66	10	10	FOBS=	210.4	SIGMA=	6.2	PHAS=	154.6	FOM=	0.01
INDE	66	11	11	FOBS=	172.9	SIGMA=	6.1	PHAS=	219.6	FOM=	0.03
INDE	66	12	12	FOBS=	63.6	SIGMA=	17.2	PHAS=	94.5	FOM=	0.14
INDE	66	13	13	FOBS=	48.4	SIGMA=	21.7	PHAS=	247.0	FOM=	0.06
INDE	66	14	14	FOBS=	51.4	SIGMA=	22.2	PHAS=	270.7	FOM=	0.01
INDE	66	2	0	FOBS=	520.6	SIGMA=	1.0	PHAS=	180.9	FOM=	0.98
INDE	66	2	1	FOBS=	257.2	SIGMA=	1.9	PHAS=	56.9	FOM=	0.96
INDE	66	2	2	FOBS=	73.4	SIGMA=	7.2	PHAS=	220.2	FOM=	0.78
INDE	66	2	3	FOBS=	55.2	SIGMA=	9.4	PHAS=	347.3	FOM=	0.39
INDE	66	2	4	FOBS=	157.4	SIGMA=	4.1	PHAS=	35.8	FOM=	0.12
INDE	66	2	5	FOBS=	192.4	SIGMA=	3.2	PHAS=	202.0	FOM=	0.89
INDE	66	2	6	FOBS=	89.1	SIGMA=	7.4	PHAS=	79.4	FOM=	0.13
INDE	66	2	7	FOBS=	108.2	SIGMA=	8.5	PHAS=	19.5	FOM=	0.43
INDE	66	2	8	FOBS=	62.7	SIGMA=	16.9	PHAS=	119.1	FOM=	0.19
INDE	66	2	9	FOBS=	369.0	SIGMA=	2.8	PHAS=	146.7	FOM=	0.86

Fig. 10A-116

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INDE	6	2	10	FOBS=	259.0	SIGMA=	4.3	PHAS=	237.2	FOM=	0.69
INDE	6	2	11	FOBS=	123.4	SIGMA=	8.2	PHAS=	173.6	FOM=	0.13
INDE	6	2	12	FOBS=	89.3	SIGMA=	12.2	PHAS=	244.1	FOM=	0.05
INDE	6	2	13	FOBS=	64.4	SIGMA=	15.8	PHAS=	239.2	FOM=	0.05
INDE	6	2	14	FOBS=	129.0	SIGMA=	85.1	PHAS=	15.5	FOM=	0.03
INDE	6	3	0	FOBS=	229.1	SIGMA=	1.7	PHAS=	200.3	FOM=	0.95
INDE	6	3	1	FOBS=	144.6	SIGMA=	3.0	PHAS=	87.7	FOM=	0.83
INDE	6	3	2	FOBS=	141.5	SIGMA=	3.7	PHAS=	293.3	FOM=	0.86
INDE	6	3	3	FOBS=	214.7	SIGMA=	2.4	PHAS=	44.9	FOM=	0.16
INDE	6	3	4	FOBS=	58.7	SIGMA=	9.0	PHAS=	113.3	FOM=	0.46
INDE	6	3	5	FOBS=	284.4	SIGMA=	2.1	PHAS=	239.1	FOM=	0.91
INDE	6	3	6	FOBS=	217.7	SIGMA=	3.0	PHAS=	313.0	FOM=	0.71
INDE	6	3	7	FOBS=	379.4	SIGMA=	2.1	PHAS=	18.1	FOM=	0.93
INDE	6	3	8	FOBS=	169.2	SIGMA=	5.5	PHAS=	281.3	FOM=	0.23
INDE	6	3	9	FOBS=	108.1	SIGMA=	10.8	PHAS=	297.4	FOM=	0.03
INDE	6	3	10	FOBS=	97.5	SIGMA=	15.0	PHAS=	52.9	FOM=	0.17
INDE	6	3	11	FOBS=	133.1	SIGMA=	7.6	PHAS=	187.3	FOM=	0.21
INDE	6	3	12	FOBS=	83.5	SIGMA=	12.2	PHAS=	51.5	FOM=	0.12
INDE	6	3	13	FOBS=	96.6	SIGMA=	11.2	PHAS=	304.0	FOM=	0.07
INDE	6	3	14	FOBS=	65.3	SIGMA=	40.5	PHAS=	174.3	FOM=	0.02
INDE	6	4	0	FOBS=	69.5	SIGMA=	5.7	PHAS=	80.8	FOM=	0.26
INDE	6	4	1	FOBS=	208.2	SIGMA=	2.0	PHAS=	298.7	FOM=	0.91
INDE	6	4	2	FOBS=	223.7	SIGMA=	2.3	PHAS=	83.3	FOM=	0.94
INDE	6	4	3	FOBS=	51.5	SIGMA=	10.9	PHAS=	153.8	FOM=	0.48
INDE	6	4	4	FOBS=	75.6	SIGMA=	7.3	PHAS=	29.8	FOM=	0.29
INDE	6	4	5	FOBS=	278.9	SIGMA=	2.4	PHAS=	51.8	FOM=	0.82
INDE	6	4	6	FOBS=	62.2	SIGMA=	10.5	PHAS=	146.1	FOM=	0.21
INDE	6	4	7	FOBS=	273.0	SIGMA=	2.8	PHAS=	260.6	FOM=	0.76
INDE	6	4	8	FOBS=	258.7	SIGMA=	3.1	PHAS=	166.9	FOM=	0.53
INDE	6	4	9	FOBS=	116.7	SIGMA=	8.6	PHAS=	43.3	FOM=	0.11
INDE	6	4	10	FOBS=	260.9	SIGMA=	4.6	PHAS=	167.0	FOM=	0.67
INDE	6	4	11	FOBS=	116.0	SIGMA=	9.9	PHAS=	60.9	FOM=	0.07
INDE	6	4	12	FOBS=	80.0	SIGMA=	14.1	PHAS=	347.8	FOM=	0.13
INDE	6	4	13	FOBS=	102.9	SIGMA=	9.6	PHAS=	168.5	FOM=	0.39
INDE	6	4	14	FOBS=	66.7	SIGMA=	18.2	PHAS=	43.5	FOM=	0.03
INDE	6	5	0	FOBS=	54.8	SIGMA=	6.7	PHAS=	296.9	FOM=	0.31
INDE	6	5	1	FOBS=	289.9	SIGMA=	1.8	PHAS=	42.5	FOM=	0.94
INDE	6	5	2	FOBS=	222.1	SIGMA=	2.1	PHAS=	213.2	FOM=	0.97
INDE	6	5	3	FOBS=	205.2	SIGMA=	2.8	PHAS=	354.8	FOM=	0.94
INDE	6	5	4	FOBS=	64.7	SIGMA=	8.8	PHAS=	146.3	FOM=	0.12
INDE	6	5	5	FOBS=	199.6	SIGMA=	2.9	PHAS=	162.9	FOM=	0.46
INDE	6	5	6	FOBS=	57.6	SIGMA=	12.1	PHAS=	234.1	FOM=	0.06
INDE	6	5	7	FOBS=	259.6	SIGMA=	2.9	PHAS=	163.9	FOM=	0.88
INDE	6	5	8	FOBS=	69.4	SIGMA=	13.1	PHAS=	333.5	FOM=	0.09
INDE	6	5	9	FOBS=	170.8	SIGMA=	5.6	PHAS=	248.5	FOM=	0.31
INDE	6	5	10	FOBS=	299.7	SIGMA=	3.2	PHAS=	246.7	FOM=	0.83
INDE	6	5	11	FOBS=	114.1	SIGMA=	10.5	PHAS=	273.5	FOM=	0.19
INDE	6	5	12	FOBS=	100.3	SIGMA=	82.4	PHAS=	161.8	FOM=	0.11
INDE	6	5	13	FOBS=	118.0	SIGMA=	9.2	PHAS=	122.1	FOM=	0.10
INDE	6	5	14	FOBS=	128.5	SIGMA=	8.0	PHAS=	32.8	FOM=	0.04
INDE	6	6	0	FOBS=	197.2	SIGMA=	2.2	PHAS=	131.9	FOM=	0.99
INDE	6	6	1	FOBS=	223.4	SIGMA=	1.9	PHAS=	208.2	FOM=	0.61
INDE	6	6	2	FOBS=	228.0	SIGMA=	2.1	PHAS=	44.3	FOM=	0.95
INDE	6	6	3	FOBS=	200.1	SIGMA=	2.5	PHAS=	224.1	FOM=	0.93
INDE	6	6	4	FOBS=	82.3	SIGMA=	7.1	PHAS=	82.4	FOM=	0.47
INDE	6	6	5	FOBS=	101.7	SIGMA=	6.0	PHAS=	167.2	FOM=	0.08
INDE	6	6	6	FOBS=	213.6	SIGMA=	3.4	PHAS=	94.8	FOM=	0.78
INDE	6	6	7	FOBS=	344.3	SIGMA=	2.4	PHAS=	297.2	FOM=	0.93
INDE	6	6	8	FOBS=	281.7	SIGMA=	2.8	PHAS=	119.8	FOM=	0.86
INDE	6	6	9	FOBS=	360.6	SIGMA=	2.9	PHAS=	49.9	FOM=	0.91
INDE	6	6	10	FOBS=	77.0	SIGMA=	13.6	PHAS=	346.1	FOM=	0.01
INDE	6	6	11	FOBS=	145.1	SIGMA=	7.4	PHAS=	310.4	FOM=	0.16
INDE	6	6	12	FOBS=	116.1	SIGMA=	8.1	PHAS=	60.7	FOM=	0.21
INDE	6	6	13	FOBS=	77.0	SIGMA=	13.2	PHAS=	215.2	FOM=	0.27
INDE	6	6	14	FOBS=	64.5	SIGMA=	19.2	PHAS=	353.7	FOM=	0.03
INDE	6	7	0	FOBS=	197.1	SIGMA=	2.0	PHAS=	30.6	FOM=	0.69
INDE	6	7	1	FOBS=	258.5	SIGMA=	1.7	PHAS=	77.0	FOM=	0.76
INDE	6	7	2	FOBS=	158.2	SIGMA=	3.0	PHAS=	138.0	FOM=	0.89
INDE	6	7	3	FOBS=	201.3	SIGMA=	2.5	PHAS=	284.8	FOM=	0.98
INDE	6	7	4	FOBS=	133.9	SIGMA=	4.3	PHAS=	234.3	FOM=	0.78
INDE	6	7	5	FOBS=	257.4	SIGMA=	2.6	PHAS=	124.5	FOM=	0.42

Fig. 10A-117

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INDE	6	7	6	FOBS=	508.2	SIGMA=	1.8	PHAS=	309.0	FOM=	0.97
INDE	6	7	7	FOBS=	265.4	SIGMA=	2.7	PHAS=	120.3	FOM=	0.88
INDE	6	7	8	FOBS=	84.9	SIGMA=	9.0	PHAS=	20.1	FOM=	0.14
INDE	6	7	9	FOBS=	142.5	SIGMA=	6.5	PHAS=	300.1	FOM=	0.11
INDE	6	7	10	FOBS=	111.9	SIGMA=	9.0	PHAS=	106.9	FOM=	0.05
INDE	6	7	11	FOBS=	48.7	SIGMA=	19.2	PHAS=	327.1	FOM=	0.07
INDE	6	7	12	FOBS=	77.5	SIGMA=	12.2	PHAS=	155.1	FOM=	0.07
INDE	6	8	0	FOBS=	131.7	SIGMA=	2.9	PHAS=	57.3	FOM=	0.83
INDE	6	8	1	FOBS=	117.1	SIGMA=	3.8	PHAS=	49.7	FOM=	0.74
INDE	6	8	2	FOBS=	254.3	SIGMA=	1.9	PHAS=	299.0	FOM=	0.65
INDE	6	8	3	FOBS=	205.2	SIGMA=	2.5	PHAS=	2.7	FOM=	0.82
INDE	6	8	4	FOBS=	149.8	SIGMA=	3.8	PHAS=	187.3	FOM=	0.87
INDE	6	8	5	FOBS=	124.6	SIGMA=	4.7	PHAS=	150.4	FOM=	0.70
INDE	6	8	6	FOBS=	229.3	SIGMA=	3.3	PHAS=	42.2	FOM=	0.95
INDE	6	8	7	FOBS=	364.6	SIGMA=	2.8	PHAS=	159.3	FOM=	0.85
INDE	6	8	8	FOBS=	285.6	SIGMA=	2.9	PHAS=	229.5	FOM=	0.84
INDE	6	8	9	FOBS=	119.9	SIGMA=	8.5	PHAS=	105.4	FOM=	0.23
INDE	6	8	10	FOBS=	185.1	SIGMA=	5.4	PHAS=	186.6	FOM=	0.28
INDE	6	8	11	FOBS=	61.6	SIGMA=	17.7	PHAS=	280.9	FOM=	0.09
INDE	6	8	12	FOBS=	75.2	SIGMA=	11.7	PHAS=	103.4	FOM=	0.06
INDE	6	8	13	FOBS=	96.1	SIGMA=	9.3	PHAS=	329.8	FOM=	0.02
INDE	6	8	14	FOBS=	51.4	SIGMA=	23.2	PHAS=	24.2	FOM=	0.01
INDE	6	9	0	FOBS=	245.5	SIGMA=	1.7	PHAS=	143.9	FOM=	0.73
INDE	6	9	1	FOBS=	145.0	SIGMA=	3.0	PHAS=	269.7	FOM=	0.90
INDE	6	9	2	FOBS=	271.8	SIGMA=	1.8	PHAS=	135.7	FOM=	0.98
INDE	6	9	3	FOBS=	192.0	SIGMA=	2.7	PHAS=	288.9	FOM=	0.34
INDE	6	9	4	FOBS=	62.6	SIGMA=	8.3	PHAS=	255.1	FOM=	0.02
INDE	6	9	5	FOBS=	273.1	SIGMA=	2.3	PHAS=	179.3	FOM=	0.35
INDE	6	9	6	FOBS=	245.9	SIGMA=	2.8	PHAS=	99.5	FOM=	0.61
INDE	6	9	7	FOBS=	92.6	SIGMA=	8.3	PHAS=	289.8	FOM=	0.08
INDE	6	9	8	FOBS=	157.4	SIGMA=	6.3	PHAS=	310.9	FOM=	0.04
INDE	6	9	9	FOBS=	84.5	SIGMA=	11.2	PHAS=	115.8	FOM=	0.16
INDE	6	9	10	FOBS=	49.8	SIGMA=	29.1	PHAS=	255.7	FOM=	0.04
INDE	6	9	11	FOBS=	117.6	SIGMA=	7.4	PHAS=	321.6	FOM=	0.16
INDE	6	9	12	FOBS=	123.9	SIGMA=	7.0	PHAS=	145.3	FOM=	0.14
INDE	6	9	13	FOBS=	94.1	SIGMA=	9.1	PHAS=	178.7	FOM=	0.02
INDE	6	9	14	FOBS=	99.2	SIGMA=	31.1	PHAS=	313.6	FOM=	0.05
INDE	6	10	0	FOBS=	110.1	SIGMA=	3.9	PHAS=	341.9	FOM=	0.86
INDE	6	10	1	FOBS=	223.9	SIGMA=	2.0	PHAS=	164.3	FOM=	0.95
INDE	6	10	2	FOBS=	139.6	SIGMA=	3.5	PHAS=	338.4	FOM=	0.68
INDE	6	10	3	FOBS=	35.8	SIGMA=	14.7	PHAS=	352.6	FOM=	0.26
INDE	6	10	4	FOBS=	176.6	SIGMA=	3.0	PHAS=	270.1	FOM=	0.81
INDE	6	10	5	FOBS=	237.2	SIGMA=	2.6	PHAS=	187.1	FOM=	0.85
INDE	6	10	6	FOBS=	101.2	SIGMA=	6.5	PHAS=	338.1	FOM=	0.41
INDE	6	10	7	FOBS=	160.6	SIGMA=	5.4	PHAS=	176.6	FOM=	0.36
INDE	6	10	8	FOBS=	221.5	SIGMA=	5.0	PHAS=	147.5	FOM=	0.74
INDE	6	10	9	FOBS=	144.6	SIGMA=	5.9	PHAS=	42.3	FOM=	0.08
INDE	6	10	10	FOBS=	80.4	SIGMA=	10.7	PHAS=	253.1	FOM=	0.24
INDE	6	10	11	FOBS=	86.0	SIGMA=	10.0	PHAS=	68.9	FOM=	0.09
INDE	6	10	12	FOBS=	125.3	SIGMA=	6.8	PHAS=	112.0	FOM=	0.17
INDE	6	10	13	FOBS=	73.4	SIGMA=	12.8	PHAS=	283.7	FOM=	0.09
INDE	6	11	0	FOBS=	143.1	SIGMA=	2.9	PHAS=	31.7	FOM=	0.58
INDE	6	11	1	FOBS=	93.6	SIGMA=	4.7	PHAS=	145.5	FOM=	0.56
INDE	6	11	2	FOBS=	235.1	SIGMA=	2.1	PHAS=	108.3	FOM=	0.62
INDE	6	11	3	FOBS=	45.8	SIGMA=	15.6	PHAS=	295.4	FOM=	0.18
INDE	6	11	4	FOBS=	202.7	SIGMA=	2.9	PHAS=	123.4	FOM=	0.93
INDE	6	11	5	FOBS=	126.7	SIGMA=	4.7	PHAS=	154.9	FOM=	0.46
INDE	6	11	6	FOBS=	258.0	SIGMA=	2.7	PHAS=	330.1	FOM=	0.33
INDE	6	11	7	FOBS=	65.3	SIGMA=	15.0	PHAS=	154.5	FOM=	0.10
INDE	6	11	8	FOBS=	198.2	SIGMA=	4.6	PHAS=	319.5	FOM=	0.64
INDE	6	11	9	FOBS=	42.5	SIGMA=	19.6	PHAS=	260.7	FOM=	0.01
INDE	6	11	10	FOBS=	59.5	SIGMA=	14.2	PHAS=	238.8	FOM=	0.06
INDE	6	11	11	FOBS=	158.5	SIGMA=	5.4	PHAS=	141.5	FOM=	0.20
INDE	6	11	12	FOBS=	106.4	SIGMA=	7.7	PHAS=	297.1	FOM=	0.11
INDE	6	11	13	FOBS=	96.8	SIGMA=	8.9	PHAS=	168.6	FOM=	0.07
INDE	6	12	0	FOBS=	86.0	SIGMA=	5.1	PHAS=	38.3	FOM=	0.57
INDE	6	12	1	FOBS=	124.6	SIGMA=	3.8	PHAS=	153.3	FOM=	0.62
INDE	6	12	2	FOBS=	62.1	SIGMA=	7.1	PHAS=	336.0	FOM=	0.36
INDE	6	12	3	FOBS=	194.7	SIGMA=	2.6	PHAS=	19.1	FOM=	0.71
INDE	6	12	4	FOBS=	127.8	SIGMA=	4.4	PHAS=	258.3	FOM=	0.55
INDE	6	12	5	FOBS=	81.5	SIGMA=	7.7	PHAS=	326.8	FOM=	0.66

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INDE	6	12	6	FOBS =	136.5	SIGMA =	5.6	PHAS =	342.0	FOM =	0.36
INDE	6	12	7	FOBS =	150.3	SIGMA =	5.2	PHAS =	307.5	FOM =	0.08
INDE	6	12	8	FOBS =	208.2	SIGMA =	4.0	PHAS =	327.2	FOM =	0.58
INDE	6	12	9	FOBS =	210.9	SIGMA =	4.9	PHAS =	175.3	FOM =	0.57
INDE	6	12	10	FOBS =	54.4	SIGMA =	26.2	PHAS =	276.3	FOM =	0.05
INDE	6	12	11	FOBS =	127.8	SIGMA =	6.5	PHAS =	124.0	FOM =	0.29
INDE	6	12	12	FOBS =	42.7	SIGMA =	19.8	PHAS =	292.1	FOM =	0.38
INDE	6	12	13	FOBS =	45.4	SIGMA =	24.9	PHAS =	155.3	FOM =	0.04
INDE	6	13	0	FOBS =	200.1	SIGMA =	2.1	PHAS =	348.0	FOM =	0.96
INDE	6	13	1	FOBS =	128.8	SIGMA =	3.9	PHAS =	249.4	FOM =	0.94
INDE	6	13	2	FOBS =	280.4	SIGMA =	1.9	PHAS =	11.0	FOM =	0.87
INDE	6	13	3	FOBS =	43.6	SIGMA =	23.3	PHAS =	18.8	FOM =	0.22
INDE	6	13	4	FOBS =	78.2	SIGMA =	7.4	PHAS =	244.6	FOM =	0.39
INDE	6	13	5	FOBS =	186.1	SIGMA =	3.6	PHAS =	132.9	FOM =	0.63
INDE	6	13	6	FOBS =	350.7	SIGMA =	2.2	PHAS =	248.5	FOM =	0.76
INDE	6	13	7	FOBS =	157.2	SIGMA =	4.8	PHAS =	180.9	FOM =	0.46
INDE	6	13	8	FOBS =	155.4	SIGMA =	5.2	PHAS =	272.2	FOM =	0.65
INDE	6	13	9	FOBS =	131.7	SIGMA =	6.8	PHAS =	101.9	FOM =	0.20
INDE	6	13	10	FOBS =	149.7	SIGMA =	6.1	PHAS =	29.8	FOM =	0.20
INDE	6	13	11	FOBS =	83.0	SIGMA =	10.2	PHAS =	308.7	FOM =	0.05
INDE	6	13	12	FOBS =	49.4	SIGMA =	26.4	PHAS =	213.0	FOM =	0.02
INDE	6	13	13	FOBS =	49.1	SIGMA =	22.2	PHAS =	50.4	FOM =	0.05
INDE	6	14	0	FOBS =	63.4	SIGMA =	5.8	PHAS =	77.2	FOM =	0.57
INDE	6	14	1	FOBS =	178.3	SIGMA =	2.5	PHAS =	189.0	FOM =	0.26
INDE	6	14	2	FOBS =	85.2	SIGMA =	5.4	PHAS =	270.2	FOM =	0.47
INDE	6	14	3	FOBS =	439.3	SIGMA =	1.4	PHAS =	225.3	FOM =	0.95
INDE	6	14	4	FOBS =	159.6	SIGMA =	4.3	PHAS =	59.4	FOM =	0.69
INDE	6	14	5	FOBS =	305.8	SIGMA =	2.4	PHAS =	307.3	FOM =	0.10
INDE	6	14	6	FOBS =	200.5	SIGMA =	3.5	PHAS =	134.3	FOM =	0.56
INDE	6	14	7	FOBS =	371.3	SIGMA =	2.2	PHAS =	75.3	FOM =	0.78
INDE	6	14	8	FOBS =	223.8	SIGMA =	3.5	PHAS =	314.1	FOM =	0.12
INDE	6	14	9	FOBS =	173.1	SIGMA =	4.6	PHAS =	311.3	FOM =	0.18
INDE	6	14	10	FOBS =	108.8	SIGMA =	8.4	PHAS =	295.5	FOM =	0.15
INDE	6	14	11	FOBS =	63.6	SIGMA =	13.5	PHAS =	166.7	FOM =	0.06
INDE	6	14	12	FOBS =	68.6	SIGMA =	12.4	PHAS =	10.2	FOM =	0.07
INDE	6	14	13	FOBS =	84.0	SIGMA =	44.9	PHAS =	220.5	FOM =	0.04
INDE	6	15	0	FOBS =	240.0	SIGMA =	1.9	PHAS =	91.5	FOM =	0.99
INDE	6	15	1	FOBS =	221.2	SIGMA =	2.1	PHAS =	192.7	FOM =	0.78
INDE	6	15	2	FOBS =	174.5	SIGMA =	2.8	PHAS =	131.1	FOM =	0.77
INDE	6	15	3	FOBS =	83.3	SIGMA =	6.9	PHAS =	351.2	FOM =	0.53
INDE	6	15	4	FOBS =	288.0	SIGMA =	2.3	PHAS =	101.4	FOM =	0.81
INDE	6	15	5	FOBS =	172.4	SIGMA =	3.8	PHAS =	129.2	FOM =	0.49
INDE	6	15	6	FOBS =	147.6	SIGMA =	4.8	PHAS =	247.2	FOM =	0.68
INDE	6	15	7	FOBS =	107.0	SIGMA =	7.0	PHAS =	152.9	FOM =	0.06
INDE	6	15	8	FOBS =	161.3	SIGMA =	4.9	PHAS =	67.0	FOM =	0.35
INDE	6	15	9	FOBS =	66.4	SIGMA =	16.4	PHAS =	224.3	FOM =	0.17
INDE	6	15	10	FOBS =	183.1	SIGMA =	5.0	PHAS =	205.1	FOM =	0.14
INDE	6	15	11	FOBS =	76.3	SIGMA =	10.6	PHAS =	29.9	FOM =	0.19
INDE	6	15	12	FOBS =	157.5	SIGMA =	5.8	PHAS =	282.7	FOM =	0.42
INDE	6	16	0	FOBS =	576.5	SIGMA =	1.5	PHAS =	157.0	FOM =	0.90
INDE	6	16	1	FOBS =	497.1	SIGMA =	1.2	PHAS =	156.7	FOM =	0.66
INDE	6	16	2	FOBS =	410.0	SIGMA =	1.5	PHAS =	149.4	FOM =	0.11
INDE	6	16	3	FOBS =	341.6	SIGMA =	1.9	PHAS =	301.9	FOM =	0.21
INDE	6	16	4	FOBS =	69.9	SIGMA =	8.7	PHAS =	65.6	FOM =	0.13
INDE	6	16	5	FOBS =	278.3	SIGMA =	2.3	PHAS =	313.2	FOM =	0.94
INDE	6	16	6	FOBS =	161.7	SIGMA =	4.4	PHAS =	320.0	FOM =	0.28
INDE	6	16	8	FOBS =	154.4	SIGMA =	5.0	PHAS =	310.7	FOM =	0.75
INDE	6	16	9	FOBS =	108.0	SIGMA =	7.0	PHAS =	105.2	FOM =	0.27
INDE	6	16	10	FOBS =	109.3	SIGMA =	7.1	PHAS =	339.6	FOM =	0.29
INDE	6	16	11	FOBS =	31.7	SIGMA =	21.5	PHAS =	250.6	FOM =	0.44
INDE	6	16	12	FOBS =	53.6	SIGMA =	17.0	PHAS =	156.4	FOM =	0.05
INDE	6	17	0	FOBS =	230.5	SIGMA =	2.0	PHAS =	191.6	FOM =	0.92
INDE	6	17	1	FOBS =	129.2	SIGMA =	3.9	PHAS =	259.3	FOM =	0.07
INDE	6	17	2	FOBS =	119.6	SIGMA =	4.8	PHAS =	90.0	FOM =	0.61
INDE	6	17	3	FOBS =	94.7	SIGMA =	6.0	PHAS =	35.5	FOM =	0.18
INDE	6	17	4	FOBS =	254.2	SIGMA =	2.3	PHAS =	57.2	FOM =	0.94
INDE	6	17	5	FOBS =	78.8	SIGMA =	8.2	PHAS =	132.4	FOM =	0.30
INDE	6	17	6	FOBS =	314.4	SIGMA =	2.3	PHAS =	97.2	FOM =	0.95
INDE	6	17	7	FOBS =	93.3	SIGMA =	7.7	PHAS =	164.8	FOM =	0.50
INDE	6	17	8	FOBS =	134.6	SIGMA =	5.5	PHAS =	129.3	FOM =	0.18
INDE	6	17	9	FOBS =	111.4	SIGMA =	6.7	PHAS =	359.6	FOM =	0.30

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INDE	6	17	10	FOBS=	59.8	SIGMA=	12.8	PHAS=	225.3	FOM=	0.17
INDE	6	17	11	FOBS=	144.6	SIGMA=	5.8	PHAS=	161.9	FOM=	0.03
INDE	6	17	12	FOBS=	108.9	SIGMA=	7.0	PHAS=	240.7	FOM=	0.02
INDE	6	18	0	FOBS=	72.5	SIGMA=	6.1	PHAS=	181.9	FOM=	0.41
INDE	6	18	1	FOBS=	118.4	SIGMA=	4.7	PHAS=	118.8	FOM=	0.72
INDE	6	18	2	FOBS=	82.3	SIGMA=	6.9	PHAS=	341.9	FOM=	0.08
INDE	6	18	3	FOBS=	158.6	SIGMA=	3.6	PHAS=	157.5	FOM=	0.21
INDE	6	18	4	FOBS=	274.9	SIGMA=	2.2	PHAS=	313.4	FOM=	0.96
INDE	6	18	5	FOBS=	292.3	SIGMA=	2.3	PHAS=	76.6	FOM=	0.93
INDE	6	18	6	FOBS=	183.6	SIGMA=	3.8	PHAS=	45.2	FOM=	0.04
INDE	6	18	7	FOBS=	97.1	SIGMA=	7.1	PHAS=	152.9	FOM=	0.24
INDE	6	18	8	FOBS=	47.1	SIGMA=	17.8	PHAS=	9.3	FOM=	0.15
INDE	6	18	9	FOBS=	68.5	SIGMA=	10.4	PHAS=	97.1	FOM=	0.14
INDE	6	18	10	FOBS=	98.5	SIGMA=	7.5	PHAS=	253.1	FOM=	0.39
INDE	6	18	11	FOBS=	75.6	SIGMA=	11.2	PHAS=	134.5	FOM=	0.02
INDE	6	19	0	FOBS=	253.1	SIGMA=	2.0	PHAS=	25.6	FOM=	0.74
INDE	6	19	1	FOBS=	144.2	SIGMA=	3.9	PHAS=	70.0	FOM=	0.86
INDE	6	19	2	FOBS=	306.3	SIGMA=	1.9	PHAS=	168.5	FOM=	0.86
INDE	6	19	3	FOBS=	300.5	SIGMA=	2.0	PHAS=	290.5	FOM=	0.91
INDE	6	19	4	FOBS=	96.4	SIGMA=	6.6	PHAS=	53.3	FOM=	0.28
INDE	6	19	5	FOBS=	269.2	SIGMA=	2.5	PHAS=	321.2	FOM=	0.64
INDE	6	19	6	FOBS=	58.8	SIGMA=	12.4	PHAS=	106.0	FOM=	0.08
INDE	6	19	7	FOBS=	206.9	SIGMA=	3.3	PHAS=	241.5	FOM=	0.45
INDE	6	19	8	FOBS=	51.0	SIGMA=	25.7	PHAS=	33.7	FOM=	0.05
INDE	6	19	9	FOBS=	39.8	SIGMA=	18.6	PHAS=	26.0	FOM=	0.09
INDE	6	19	10	FOBS=	63.4	SIGMA=	11.7	PHAS=	214.7	FOM=	0.12
INDE	6	19	11	FOBS=	88.9	SIGMA=	8.0	PHAS=	338.7	FOM=	0.18
INDE	6	20	0	FOBS=	105.2	SIGMA=	5.0	PHAS=	354.7	FOM=	0.40
INDE	6	20	1	FOBS=	243.5	SIGMA=	2.1	PHAS=	108.0	FOM=	0.87
INDE	6	20	2	FOBS=	326.0	SIGMA=	1.8	PHAS=	239.8	FOM=	0.99
INDE	6	20	3	FOBS=	309.8	SIGMA=	2.0	PHAS=	38.9	FOM=	0.94
INDE	6	20	4	FOBS=	331.9	SIGMA=	2.0	PHAS=	148.0	FOM=	0.20
INDE	6	20	5	FOBS=	139.3	SIGMA=	4.7	PHAS=	261.5	FOM=	0.17
INDE	6	20	6	FOBS=	125.5	SIGMA=	5.3	PHAS=	164.5	FOM=	0.06
INDE	6	20	7	FOBS=	103.0	SIGMA=	6.6	PHAS=	83.3	FOM=	0.03
INDE	6	20	8	FOBS=	81.8	SIGMA=	8.2	PHAS=	342.5	FOM=	0.13
INDE	6	20	9	FOBS=	130.9	SIGMA=	5.4	PHAS=	211.0	FOM=	0.48
INDE	6	20	10	FOBS=	147.7	SIGMA=	4.8	PHAS=	44.2	FOM=	0.16
INDE	6	21	0	FOBS=	308.6	SIGMA=	1.8	PHAS=	142.8	FOM=	0.81
INDE	6	21	1	FOBS=	335.4	SIGMA=	1.8	PHAS=	173.0	FOM=	1.00
INDE	6	21	2	FOBS=	255.7	SIGMA=	2.2	PHAS=	48.3	FOM=	0.74
INDE	6	21	3	FOBS=	260.8	SIGMA=	2.3	PHAS=	315.4	FOM=	0.59
INDE	6	21	4	FOBS=	116.2	SIGMA=	5.3	PHAS=	187.8	FOM=	0.35
INDE	6	21	5	FOBS=	37.0	SIGMA=	16.6	PHAS=	298.8	FOM=	0.19
INDE	6	21	6	FOBS=	228.9	SIGMA=	2.9	PHAS=	35.3	FOM=	0.79
INDE	6	21	7	FOBS=	87.7	SIGMA=	7.5	PHAS=	247.4	FOM=	0.16
INDE	6	21	8	FOBS=	63.2	SIGMA=	13.6	PHAS=	295.1	FOM=	0.09
INDE	6	21	9	FOBS=	142.7	SIGMA=	4.7	PHAS=	77.8	FOM=	0.93
INDE	6	21	10	FOBS=	76.6	SIGMA=	8.8	PHAS=	232.3	FOM=	0.10
INDE	6	22	0	FOBS=	340.3	SIGMA=	1.7	PHAS=	102.8	FOM=	0.64
INDE	6	22	1	FOBS=	120.1	SIGMA=	4.4	PHAS=	197.6	FOM=	0.16
INDE	6	22	2	FOBS=	117.1	SIGMA=	4.7	PHAS=	65.0	FOM=	0.18
INDE	6	22	3	FOBS=	237.4	SIGMA=	2.4	PHAS=	302.7	FOM=	0.93
INDE	6	22	4	FOBS=	114.5	SIGMA=	5.3	PHAS=	348.0	FOM=	0.19
INDE	6	22	5	FOBS=	200.5	SIGMA=	3.2	PHAS=	355.1	FOM=	0.84
INDE	6	22	6	FOBS=	98.1	SIGMA=	6.5	PHAS=	195.4	FOM=	0.01
INDE	6	22	7	FOBS=	52.0	SIGMA=	13.4	PHAS=	163.5	FOM=	0.01
INDE	6	22	8	FOBS=	62.2	SIGMA=	11.5	PHAS=	20.9	FOM=	0.25
INDE	6	22	9	FOBS=	40.1	SIGMA=	17.0	PHAS=	199.5	FOM=	0.06
INDE	6	22	10	FOBS=	44.0	SIGMA=	19.4	PHAS=	198.7	FOM=	0.02
INDE	6	23	0	FOBS=	135.8	SIGMA=	3.6	PHAS=	302.4	FOM=	0.95
INDE	6	23	1	FOBS=	113.7	SIGMA=	4.7	PHAS=	157.5	FOM=	0.71
INDE	6	23	2	FOBS=	95.1	SIGMA=	5.6	PHAS=	305.6	FOM=	0.11
INDE	6	23	3	FOBS=	164.7	SIGMA=	3.4	PHAS=	165.9	FOM=	0.28
INDE	6	23	4	FOBS=	66.7	SIGMA=	8.6	PHAS=	295.9	FOM=	0.15
INDE	6	23	5	FOBS=	156.3	SIGMA=	4.1	PHAS=	70.4	FOM=	0.18
INDE	6	23	6	FOBS=	163.7	SIGMA=	4.0	PHAS=	274.5	FOM=	0.42
INDE	6	23	7	FOBS=	166.9	SIGMA=	4.0	PHAS=	92.5	FOM=	0.54
INDE	6	23	8	FOBS=	98.2	SIGMA=	6.5	PHAS=	67.2	FOM=	0.14
INDE	6	23	9	FOBS=	107.7	SIGMA=	6.2	PHAS=	160.2	FOM=	0.28
INDE	6	24	0	FOBS=	203.9	SIGMA=	2.3	PHAS=	192.6	FOM=	0.30

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INDE	6	24	1	FOBS=	125.2	SIGMA=	4.3	PHAS=	256.1	FOM=	0.63
INDE	6	24	2	FOBS=	323.4	SIGMA=	1.9	PHAS=	84.4	FOM=	0.88
INDE	6	24	3	FOBS=	96.2	SIGMA=	5.7	PHAS=	109.4	FOM=	0.11
INDE	6	24	4	FOBS=	103.7	SIGMA=	5.5	PHAS=	321.7	FOM=	0.27
INDE	6	24	5	FOBS=	128.3	SIGMA=	4.7	PHAS=	198.4	FOM=	0.24
INDE	6	24	6	FOBS=	193.5	SIGMA=	3.2	PHAS=	173.7	FOM=	0.06
INDE	6	24	7	FOBS=	36.8	SIGMA=	16.5	PHAS=	13.3	FOM=	0.38
INDE	6	24	8	FOBS=	62.5	SIGMA=	10.6	PHAS=	227.3	FOM=	0.10
INDE	6	24	9	FOBS=	54.7	SIGMA=	14.3	PHAS=	128.5	FOM=	0.08
INDE	6	25	0	FOBS=	123.1	SIGMA=	4.1	PHAS=	108.7	FOM=	0.83
INDE	6	25	1	FOBS=	169.7	SIGMA=	3.2	PHAS=	137.9	FOM=	0.83
INDE	6	25	2	FOBS=	191.0	SIGMA=	2.9	PHAS=	343.5	FOM=	0.77
INDE	6	25	3	FOBS=	93.5	SIGMA=	5.8	PHAS=	48.6	FOM=	0.05
INDE	6	25	4	FOBS=	70.3	SIGMA=	8.8	PHAS=	275.1	FOM=	0.36
INDE	6	25	5	FOBS=	68.7	SIGMA=	8.9	PHAS=	129.2	FOM=	0.26
INDE	6	25	6	FOBS=	142.7	SIGMA=	4.3	PHAS=	36.2	FOM=	0.69
INDE	6	25	7	FOBS=	100.2	SIGMA=	6.1	PHAS=	261.6	FOM=	0.02
INDE	6	25	8	FOBS=	93.9	SIGMA=	6.6	PHAS=	139.8	FOM=	0.15
INDE	6	26	0	FOBS=	234.0	SIGMA=	2.4	PHAS=	157.0	FOM=	0.69
INDE	6	26	1	FOBS=	126.8	SIGMA=	4.0	PHAS=	104.1	FOM=	0.07
INDE	6	26	2	FOBS=	192.4	SIGMA=	2.8	PHAS=	276.6	FOM=	0.92
INDE	6	26	3	FOBS=	157.5	SIGMA=	3.6	PHAS=	126.5	FOM=	0.58
INDE	6	26	4	FOBS=	51.5	SIGMA=	25.5	PHAS=	159.0	FOM=	0.15
INDE	6	26	5	FOBS=	40.2	SIGMA=	20.9	PHAS=	358.6	FOM=	0.26
INDE	6	26	6	FOBS=	86.3	SIGMA=	6.7	PHAS=	243.2	FOM=	0.16
INDE	6	26	7	FOBS=	89.5	SIGMA=	6.6	PHAS=	173.6	FOM=	0.12
INDE	6	27	0	FOBS=	147.0	SIGMA=	3.9	PHAS=	51.3	FOM=	0.60
INDE	6	27	1	FOBS=	75.4	SIGMA=	6.5	PHAS=	27.9	FOM=	0.56
INDE	6	27	2	FOBS=	102.3	SIGMA=	5.0	PHAS=	153.4	FOM=	0.05
INDE	6	27	3	FOBS=	224.9	SIGMA=	2.5	PHAS=	138.1	FOM=	0.96
INDE	6	27	4	FOBS=	104.5	SIGMA=	5.6	PHAS=	300.8	FOM=	0.81
INDE	6	27	5	FOBS=	47.5	SIGMA=	22.5	PHAS=	165.4	FOM=	0.20
INDE	6	27	6	FOBS=	60.0	SIGMA=	9.7	PHAS=	98.6	FOM=	0.04
INDE	6	27	7	FOBS=	73.1	SIGMA=	40.4	PHAS=	311.8	FOM=	0.06
INDE	6	28	0	FOBS=	193.6	SIGMA=	2.9	PHAS=	285.9	FOM=	0.88
INDE	6	28	1	FOBS=	72.0	SIGMA=	6.7	PHAS=	163.2	FOM=	0.48
INDE	6	28	2	FOBS=	105.0	SIGMA=	4.7	PHAS=	54.9	FOM=	0.19
INDE	6	28	3	FOBS=	189.2	SIGMA=	2.9	PHAS=	333.7	FOM=	0.88
INDE	6	28	4	FOBS=	113.0	SIGMA=	4.8	PHAS=	168.9	FOM=	0.17
INDE	6	28	5	FOBS=	54.8	SIGMA=	10.2	PHAS=	105.5	FOM=	0.14
INDE	6	28	6	FOBS=	79.5	SIGMA=	8.9	PHAS=	287.7	FOM=	0.08
INDE	6	29	0	FOBS=	83.6	SIGMA=	5.4	PHAS=	252.1	FOM=	0.78
INDE	6	29	1	FOBS=	85.7	SIGMA=	5.9	PHAS=	114.2	FOM=	0.96
INDE	6	29	2	FOBS=	116.3	SIGMA=	4.4	PHAS=	356.9	FOM=	0.83
INDE	6	29	3	FOBS=	123.0	SIGMA=	4.3	PHAS=	248.2	FOM=	0.28
INDE	6	29	4	FOBS=	204.8	SIGMA=	2.8	PHAS=	137.8	FOM=	0.59
INDE	6	29	5	FOBS=	180.1	SIGMA=	4.8	PHAS=	347.5	FOM=	0.61
INDE	6	30	0	FOBS=	305.2	SIGMA=	1.7	PHAS=	115.9	FOM=	0.97
INDE	6	30	1	FOBS=	66.0	SIGMA=	8.4	PHAS=	316.9	FOM=	0.14
INDE	6	30	2	FOBS=	145.4	SIGMA=	3.4	PHAS=	82.6	FOM=	0.25
INDE	6	30	3	FOBS=	40.2	SIGMA=	23.8	PHAS=	135.7	FOM=	0.10
INDE	6	31	0	FOBS=	203.8	SIGMA=	2.3	PHAS=	17.1	FOM=	0.89
INDE	6	31	1	FOBS=	54.1	SIGMA=	11.5	PHAS=	181.5	FOM=	0.07
INDE	6	31	2	FOBS=	105.4	SIGMA=	23.7	PHAS=	312.8	FOM=	0.05
INDE	7	0	0	FOBS=	310.2	SIGMA=	2.5	PHAS=	180.0	FOM=	0.74
INDE	7	0	1	FOBS=	366.7	SIGMA=	2.7	PHAS=	180.0	FOM=	1.00
INDE	7	0	2	FOBS=	204.3	SIGMA=	4.0	PHAS=	0.0	FOM=	1.00
INDE	7	0	3	FOBS=	86.2	SIGMA=	10.3	PHAS=	0.0	FOM=	0.13
INDE	7	0	4	FOBS=	46.9	SIGMA=	16.3	PHAS=	180.0	FOM=	0.27
INDE	7	0	5	FOBS=	273.9	SIGMA=	3.4	PHAS=	0.0	FOM=	0.00
INDE	7	0	6	FOBS=	304.3	SIGMA=	4.4	PHAS=	180.0	FOM=	0.75
INDE	7	0	7	FOBS=	131.1	SIGMA=	15.3	PHAS=	180.0	FOM=	0.06
INDE	7	0	8	FOBS=	116.3	SIGMA=	12.4	PHAS=	180.0	FOM=	0.03
INDE	7	0	10	FOBS=	171.2	SIGMA=	9.0	PHAS=	0.0	FOM=	0.21
INDE	7	0	11	FOBS=	43.3	SIGMA=	27.6	PHAS=	180.0	FOM=	0.12
INDE	7	0	12	FOBS=	182.1	SIGMA=	8.1	PHAS=	180.0	FOM=	0.15
INDE	7	0	13	FOBS=	52.7	SIGMA=	36.2	PHAS=	0.0	FOM=	0.07
INDE	7	0	14	FOBS=	47.7	SIGMA=	30.9	PHAS=	180.0	FOM=	0.05
INDE	7	1	0	FOBS=	391.7	SIGMA=	1.4	PHAS=	309.5	FOM=	0.97
INDE	7	1	1	FOBS=	165.5	SIGMA=	3.5	PHAS=	36.2	FOM=	0.43
INDE	7	1	2	FOBS=	41.7	SIGMA=	14.3	PHAS=	343.3	FOM=	0.36

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INDE	7	1	3	FOBS=	213.7	SIGMA=	2.6	PHAS=	282.1	FOM=	0.95
INDE	7	1	4	FOBS=	90.7	SIGMA=	6.1	PHAS=	255.5	FOM=	0.10
INDE	7	1	5	FOBS=	141.4	SIGMA=	5.4	PHAS=	256.9	FOM=	0.25
INDE	7	1	6	FOBS=	273.3	SIGMA=	3.1	PHAS=	76.3	FOM=	0.94
INDE	7	1	7	FOBS=	311.4	SIGMA=	2.8	PHAS=	326.8	FOM=	0.90
INDE	7	1	8	FOBS=	228.8	SIGMA=	4.8	PHAS=	331.6	FOM=	0.04
INDE	7	1	9	FOBS=	139.4	SIGMA=	8.3	PHAS=	67.4	FOM=	0.08
INDE	7	1	10	FOBS=	214.4	SIGMA=	5.3	PHAS=	281.4	FOM=	0.31
INDE	7	1	11	FOBS=	172.4	SIGMA=	6.1	PHAS=	142.4	FOM=	0.18
INDE	7	1	12	FOBS=	49.4	SIGMA=	21.0	PHAS=	347.1	FOM=	0.11
INDE	7	1	13	FOBS=	89.3	SIGMA=	11.2	PHAS=	101.4	FOM=	0.02
INDE	7	1	14	FOBS=	79.4	SIGMA=	13.4	PHAS=	151.6	FOM=	0.02
INDE	7	2	0	FOBS=	354.0	SIGMA=	1.5	PHAS=	78.3	FOM=	0.91
INDE	7	2	1	FOBS=	109.9	SIGMA=	4.1	PHAS=	235.0	FOM=	0.31
INDE	7	2	2	FOBS=	216.3	SIGMA=	2.6	PHAS=	356.1	FOM=	0.59
INDE	7	2	3	FOBS=	208.5	SIGMA=	2.7	PHAS=	208.0	FOM=	0.84
INDE	7	2	4	FOBS=	47.0	SIGMA=	23.2	PHAS=	47.4	FOM=	0.05
INDE	7	2	5	FOBS=	37.7	SIGMA=	16.1	PHAS=	95.5	FOM=	0.18
INDE	7	2	6	FOBS=	284.1	SIGMA=	2.6	PHAS=	338.6	FOM=	0.95
INDE	7	2	7	FOBS=	108.6	SIGMA=	8.0	PHAS=	149.9	FOM=	0.02
INDE	7	2	8	FOBS=	169.1	SIGMA=	5.6	PHAS=	95.0	FOM=	0.57
INDE	7	2	9	FOBS=	81.5	SIGMA=	16.7	PHAS=	220.9	FOM=	0.08
INDE	7	2	10	FOBS=	188.2	SIGMA=	6.7	PHAS=	329.7	FOM=	0.02
INDE	7	2	11	FOBS=	282.6	SIGMA=	3.6	PHAS=	14.0	FOM=	0.67
INDE	7	2	12	FOBS=	57.2	SIGMA=	18.4	PHAS=	144.6	FOM=	0.12
INDE	7	2	13	FOBS=	98.2	SIGMA=	10.0	PHAS=	331.0	FOM=	0.01
INDE	7	2	14	FOBS=	93.0	SIGMA=	58.7	PHAS=	297.2	FOM=	0.03
INDE	7	3	0	FOBS=	177.7	SIGMA=	2.3	PHAS=	20.9	FOM=	0.53
INDE	7	3	1	FOBS=	168.2	SIGMA=	3.0	PHAS=	152.4	FOM=	0.83
INDE	7	3	2	FOBS=	53.9	SIGMA=	8.9	PHAS=	2.8	FOM=	0.23
INDE	7	3	3	FOBS=	106.6	SIGMA=	5.5	PHAS=	273.1	FOM=	0.60
INDE	7	3	4	FOBS=	332.4	SIGMA=	2.0	PHAS=	61.9	FOM=	0.81
INDE	7	3	5	FOBS=	168.1	SIGMA=	4.0	PHAS=	212.1	FOM=	0.52
INDE	7	3	6	FOBS=	300.9	SIGMA=	2.4	PHAS=	188.7	FOM=	0.45
INDE	7	3	7	FOBS=	352.5	SIGMA=	2.6	PHAS=	109.5	FOM=	0.74
INDE	7	3	8	FOBS=	129.4	SIGMA=	6.9	PHAS=	30.8	FOM=	0.19
INDE	7	3	9	FOBS=	190.4	SIGMA=	5.9	PHAS=	150.7	FOM=	0.33
INDE	7	3	10	FOBS=	124.9	SIGMA=	10.1	PHAS=	3.0	FOM=	0.21
INDE	7	3	11	FOBS=	81.9	SIGMA=	16.1	PHAS=	155.4	FOM=	0.14
INDE	7	3	12	FOBS=	54.2	SIGMA=	18.8	PHAS=	27.3	FOM=	0.04
INDE	7	3	13	FOBS=	65.5	SIGMA=	18.6	PHAS=	280.9	FOM=	0.04
INDE	7	3	14	FOBS=	87.3	SIGMA=	43.6	PHAS=	132.3	FOM=	0.03
INDE	7	4	0	FOBS=	54.1	SIGMA=	8.5	PHAS=	53.3	FOM=	0.26
INDE	7	4	1	FOBS=	63.4	SIGMA=	6.7	PHAS=	343.0	FOM=	0.09
INDE	7	4	2	FOBS=	203.0	SIGMA=	2.5	PHAS=	112.8	FOM=	0.94
INDE	7	4	3	FOBS=	37.5	SIGMA=	20.4	PHAS=	359.8	FOM=	0.24
INDE	7	4	4	FOBS=	166.2	SIGMA=	4.0	PHAS=	223.2	FOM=	0.59
INDE	7	4	5	FOBS=	45.2	SIGMA=	15.9	PHAS=	94.6	FOM=	0.19
INDE	7	4	6	FOBS=	221.6	SIGMA=	3.3	PHAS=	279.7	FOM=	0.93
INDE	7	4	7	FOBS=	178.5	SIGMA=	4.5	PHAS=	330.3	FOM=	0.56
INDE	7	4	8	FOBS=	63.5	SIGMA=	15.0	PHAS=	33.4	FOM=	0.16
INDE	7	4	9	FOBS=	71.2	SIGMA=	31.9	PHAS=	299.0	FOM=	0.10
INDE	7	4	10	FOBS=	51.9	SIGMA=	24.7	PHAS=	179.6	FOM=	0.13
INDE	7	4	11	FOBS=	66.0	SIGMA=	24.8	PHAS=	20.0	FOM=	0.16
INDE	7	4	12	FOBS=	51.5	SIGMA=	19.0	PHAS=	227.5	FOM=	0.04
INDE	7	4	13	FOBS=	110.8	SIGMA=	11.1	PHAS=	37.6	FOM=	0.03
INDE	7	4	14	FOBS=	118.0	SIGMA=	74.6	PHAS=	142.9	FOM=	0.01
INDE	7	5	0	FOBS=	86.6	SIGMA=	4.8	PHAS=	95.8	FOM=	0.46
INDE	7	5	1	FOBS=	222.5	SIGMA=	2.1	PHAS=	254.2	FOM=	0.64
INDE	7	5	2	FOBS=	141.3	SIGMA=	4.2	PHAS=	285.5	FOM=	0.72
INDE	7	5	3	FOBS=	132.1	SIGMA=	4.3	PHAS=	247.6	FOM=	0.54
INDE	7	5	4	FOBS=	99.4	SIGMA=	6.0	PHAS=	44.6	FOM=	0.43
INDE	7	5	5	FOBS=	39.3	SIGMA=	20.1	PHAS=	278.3	FOM=	0.30
INDE	7	5	6	FOBS=	389.2	SIGMA=	2.7	PHAS=	346.5	FOM=	0.67
INDE	7	5	7	FOBS=	152.2	SIGMA=	5.2	PHAS=	162.3	FOM=	0.52
INDE	7	5	8	FOBS=	79.6	SIGMA=	12.5	PHAS=	286.6	FOM=	0.26
INDE	7	5	9	FOBS=	114.9	SIGMA=	8.5	PHAS=	190.2	FOM=	0.06
INDE	7	5	10	FOBS=	133.2	SIGMA=	7.1	PHAS=	215.1	FOM=	0.10
INDE	7	5	11	FOBS=	65.5	SIGMA=	24.3	PHAS=	1.7	FOM=	0.07
INDE	7	5	12	FOBS=	75.6	SIGMA=	14.3	PHAS=	156.0	FOM=	0.02
INDE	7	5	13	FOBS=	129.6	SIGMA=	8.3	PHAS=	314.4	FOM=	0.05

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INDE	7	6	0	FOBS=	125.3	SIGMA=	3.5	PHAS=	323.9	FOM=	0.44
INDE	7	6	1	FOBS=	126.9	SIGMA=	4.5	PHAS=	334.2	FOM=	0.85
INDE	7	6	2	FOBS=	72.7	SIGMA=	6.7	PHAS=	258.4	FOM=	0.15
INDE	7	6	3	FOBS=	149.4	SIGMA=	3.7	PHAS=	215.9	FOM=	0.94
INDE	7	6	4	FOBS=	152.8	SIGMA=	3.7	PHAS=	108.8	FOM=	0.94
INDE	7	6	5	FOBS=	190.5	SIGMA=	4.1	PHAS=	170.8	FOM=	0.39
INDE	7	6	6	FOBS=	100.7	SIGMA=	8.7	PHAS=	347.0	FOM=	0.67
INDE	7	6	7	FOBS=	269.5	SIGMA=	3.0	PHAS=	189.0	FOM=	0.90
INDE	7	6	8	FOBS=	176.3	SIGMA=	5.2	PHAS=	325.7	FOM=	0.62
INDE	7	6	9	FOBS=	63.7	SIGMA=	23.0	PHAS=	129.2	FOM=	0.03
INDE	7	6	10	FOBS=	146.1	SIGMA=	6.3	PHAS=	282.2	FOM=	0.36
INDE	7	6	11	FOBS=	89.8	SIGMA=	10.8	PHAS=	334.9	FOM=	0.24
INDE	7	6	12	FOBS=	73.9	SIGMA=	14.3	PHAS=	225.9	FOM=	0.09
INDE	7	6	13	FOBS=	103.3	SIGMA=	8.9	PHAS=	208.8	FOM=	0.06
INDE	7	7	0	FOBS=	193.4	SIGMA=	2.7	PHAS=	17.0	FOM=	0.97
INDE	7	7	1	FOBS=	56.3	SIGMA=	8.2	PHAS=	157.4	FOM=	0.18
INDE	7	7	2	FOBS=	93.7	SIGMA=	5.5	PHAS=	308.7	FOM=	0.27
INDE	7	7	3	FOBS=	118.8	SIGMA=	4.6	PHAS=	308.0	FOM=	0.07
INDE	7	7	4	FOBS=	395.5	SIGMA=	1.7	PHAS=	327.6	FOM=	0.55
INDE	7	7	5	FOBS=	241.8	SIGMA=	2.6	PHAS=	136.4	FOM=	0.54
INDE	7	7	6	FOBS=	99.0	SIGMA=	8.0	PHAS=	80.8	FOM=	0.12
INDE	7	7	7	FOBS=	160.4	SIGMA=	6.0	PHAS=	302.8	FOM=	0.35
INDE	7	7	8	FOBS=	134.2	SIGMA=	6.5	PHAS=	287.2	FOM=	0.12
INDE	7	7	9	FOBS=	217.2	SIGMA=	4.3	PHAS=	119.7	FOM=	0.82
INDE	7	7	10	FOBS=	169.6	SIGMA=	5.6	PHAS=	289.3	FOM=	0.28
INDE	7	7	11	FOBS=	105.0	SIGMA=	9.6	PHAS=	49.5	FOM=	0.17
INDE	7	7	12	FOBS=	117.8	SIGMA=	7.7	PHAS=	114.3	FOM=	0.28
INDE	7	7	13	FOBS=	69.0	SIGMA=	38.3	PHAS=	327.0	FOM=	0.06
INDE	7	8	0	FOBS=	174.3	SIGMA=	2.5	PHAS=	206.5	FOM=	0.80
INDE	7	8	1	FOBS=	148.3	SIGMA=	3.4	PHAS=	225.5	FOM=	0.91
INDE	7	8	2	FOBS=	71.0	SIGMA=	6.9	PHAS=	7.9	FOM=	0.60
INDE	7	8	3	FOBS=	139.9	SIGMA=	3.9	PHAS=	184.1	FOM=	0.78
INDE	7	8	4	FOBS=	278.8	SIGMA=	2.2	PHAS=	66.7	FOM=	0.92
INDE	7	8	5	FOBS=	151.1	SIGMA=	4.4	PHAS=	225.9	FOM=	0.01
INDE	7	8	6	FOBS=	241.0	SIGMA=	3.0	PHAS=	109.2	FOM=	0.27
INDE	7	8	7	FOBS=	105.5	SIGMA=	8.8	PHAS=	265.0	FOM=	0.11
INDE	7	8	8	FOBS=	140.3	SIGMA=	6.8	PHAS=	126.5	FOM=	0.38
INDE	7	8	9	FOBS=	131.5	SIGMA=	6.8	PHAS=	315.3	FOM=	0.09
INDE	7	8	10	FOBS=	150.4	SIGMA=	6.6	PHAS=	30.9	FOM=	0.36
INDE	7	8	11	FOBS=	47.5	SIGMA=	26.0	PHAS=	121.1	FOM=	0.13
INDE	7	8	12	FOBS=	76.2	SIGMA=	11.6	PHAS=	253.8	FOM=	0.12
INDE	7	8	13	FOBS=	52.9	SIGMA=	19.9	PHAS=	356.9	FOM=	0.03
INDE	7	9	0	FOBS=	176.4	SIGMA=	2.6	PHAS=	43.6	FOM=	0.84
INDE	7	9	1	FOBS=	138.0	SIGMA=	3.5	PHAS=	50.6	FOM=	0.88
INDE	7	9	2	FOBS=	227.3	SIGMA=	2.3	PHAS=	0.5	FOM=	0.97
INDE	7	9	3	FOBS=	233.4	SIGMA=	2.4	PHAS=	154.0	FOM=	0.90
INDE	7	9	4	FOBS=	185.8	SIGMA=	3.2	PHAS=	189.7	FOM=	0.80
INDE	7	9	5	FOBS=	174.8	SIGMA=	4.0	PHAS=	45.1	FOM=	0.87
INDE	7	9	6	FOBS=	207.2	SIGMA=	3.4	PHAS=	204.7	FOM=	0.87
INDE	7	9	7	FOBS=	76.5	SIGMA=	29.7	PHAS=	275.3	FOM=	0.03
INDE	7	9	8	FOBS=	75.5	SIGMA=	14.6	PHAS=	109.1	FOM=	0.07
INDE	7	9	9	FOBS=	96.8	SIGMA=	10.3	PHAS=	342.2	FOM=	0.02
INDE	7	9	10	FOBS=	101.9	SIGMA=	8.4	PHAS=	300.5	FOM=	0.03
INDE	7	9	11	FOBS=	109.2	SIGMA=	7.7	PHAS=	214.2	FOM=	0.29
INDE	7	9	12	FOBS=	65.6	SIGMA=	25.4	PHAS=	47.0	FOM=	0.08
INDE	7	10	0	FOBS=	154.5	SIGMA=	2.9	PHAS=	116.2	FOM=	0.51
INDE	7	10	1	FOBS=	315.7	SIGMA=	1.6	PHAS=	309.0	FOM=	0.95
INDE	7	10	2	FOBS=	157.9	SIGMA=	3.3	PHAS=	325.8	FOM=	0.55
INDE	7	10	3	FOBS=	362.5	SIGMA=	1.7	PHAS=	230.0	FOM=	0.66
INDE	7	10	4	FOBS=	42.9	SIGMA=	18.9	PHAS=	247.5	FOM=	0.14
INDE	7	10	5	FOBS=	203.9	SIGMA=	3.3	PHAS=	78.4	FOM=	0.80
INDE	7	10	6	FOBS=	107.5	SIGMA=	6.6	PHAS=	275.0	FOM=	0.23
INDE	7	10	7	FOBS=	155.9	SIGMA=	5.0	PHAS=	350.0	FOM=	0.07
INDE	7	10	8	FOBS=	169.7	SIGMA=	6.4	PHAS=	145.1	FOM=	0.21
INDE	7	10	9	FOBS=	131.1	SIGMA=	8.8	PHAS=	120.3	FOM=	0.03
INDE	7	10	10	FOBS=	100.6	SIGMA=	9.0	PHAS=	310.1	FOM=	0.20
INDE	7	10	11	FOBS=	146.7	SIGMA=	5.9	PHAS=	152.9	FOM=	0.05
INDE	7	10	12	FOBS=	73.9	SIGMA=	13.5	PHAS=	84.8	FOM=	0.02
INDE	7	10	13	FOBS=	43.0	SIGMA=	18.4	PHAS=	337.2	FOM=	0.03
INDE	7	11	0	FOBS=	214.0	SIGMA=	2.1	PHAS=	54.5	FOM=	0.61
INDE	7	11	1	FOBS=	328.9	SIGMA=	1.6	PHAS=	184.9	FOM=	1.00

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INDE	7	11	2	FOBS=	128.9	SIGMA=	4.5	PHAS=	26.7	FOM=	0.93
INDE	7	11	3	FOBS=	114.9	SIGMA=	5.0	PHAS=	229.0	FOM=	0.71
INDE	7	11	4	FOBS=	148.5	SIGMA=	4.3	PHAS=	186.9	FOM=	0.60
INDE	7	11	5	FOBS=	237.0	SIGMA=	2.8	PHAS=	321.4	FOM=	0.92
INDE	7	11	6	FOBS=	59.6	SIGMA=	13.7	PHAS=	204.0	FOM=	0.18
INDE	7	11	7	FOBS=	393.9	SIGMA=	2.2	PHAS=	30.9	FOM=	0.50
INDE	7	11	8	FOBS=	298.0	SIGMA=	3.1	PHAS=	323.9	FOM=	0.83
INDE	7	11	9	FOBS=	74.7	SIGMA=	13.7	PHAS=	320.7	FOM=	0.07
INDE	7	11	10	FOBS=	163.8	SIGMA=	5.9	PHAS=	333.3	FOM=	0.15
INDE	7	11	11	FOBS=	51.7	SIGMA=	21.5	PHAS=	161.4	FOM=	0.11
INDE	7	11	12	FOBS=	211.4	SIGMA=	4.3	PHAS=	151.0	FOM=	0.13
INDE	7	11	13	FOBS=	122.6	SIGMA=	7.2	PHAS=	86.1	FOM=	0.13
INDE	7	12	0	FOBS=	98.4	SIGMA=	4.6	PHAS=	351.8	FOM=	0.69
INDE	7	12	1	FOBS=	147.8	SIGMA=	3.5	PHAS=	261.6	FOM=	0.61
INDE	7	12	2	FOBS=	106.9	SIGMA=	4.9	PHAS=	255.4	FOM=	0.42
INDE	7	12	3	FOBS=	254.2	SIGMA=	2.3	PHAS=	10.2	FOM=	0.26
INDE	7	12	4	FOBS=	192.1	SIGMA=	3.3	PHAS=	183.1	FOM=	0.05
INDE	7	12	5	FOBS=	120.2	SIGMA=	5.5	PHAS=	108.5	FOM=	0.54
INDE	7	12	6	FOBS=	172.0	SIGMA=	4.5	PHAS=	272.5	FOM=	0.86
INDE	7	12	7	FOBS=	379.0	SIGMA=	2.5	PHAS=	213.8	FOM=	0.84
INDE	7	12	8	FOBS=	216.9	SIGMA=	4.2	PHAS=	111.0	FOM=	0.63
INDE	7	12	9	FOBS=	81.9	SIGMA=	11.1	PHAS=	264.4	FOM=	0.19
INDE	7	12	10	FOBS=	171.8	SIGMA=	5.2	PHAS=	132.4	FOM=	0.27
INDE	7	12	11	FOBS=	63.8	SIGMA=	15.0	PHAS=	59.1	FOM=	0.13
INDE	7	12	12	FOBS=	68.7	SIGMA=	14.1	PHAS=	309.6	FOM=	0.01
INDE	7	13	0	FOBS=	154.5	SIGMA=	3.1	PHAS=	49.6	FOM=	0.87
INDE	7	13	1	FOBS=	203.7	SIGMA=	2.5	PHAS=	190.9	FOM=	0.83
INDE	7	13	2	FOBS=	137.5	SIGMA=	4.1	PHAS=	309.0	FOM=	0.85
INDE	7	13	3	FOBS=	391.4	SIGMA=	1.7	PHAS=	64.3	FOM=	0.96
INDE	7	13	4	FOBS=	262.9	SIGMA=	2.4	PHAS=	131.9	FOM=	0.86
INDE	7	13	5	FOBS=	116.9	SIGMA=	5.6	PHAS=	356.6	FOM=	0.24
INDE	7	13	6	FOBS=	107.5	SIGMA=	7.5	PHAS=	289.7	FOM=	0.42
INDE	7	13	7	FOBS=	45.0	SIGMA=	24.7	PHAS=	76.1	FOM=	0.25
INDE	7	13	8	FOBS=	87.6	SIGMA=	9.3	PHAS=	268.1	FOM=	0.12
INDE	7	13	9	FOBS=	97.3	SIGMA=	8.3	PHAS=	265.0	FOM=	0.17
INDE	7	13	10	FOBS=	149.5	SIGMA=	5.5	PHAS=	327.1	FOM=	0.05
INDE	7	13	11	FOBS=	93.0	SIGMA=	9.2	PHAS=	221.8	FOM=	0.09
INDE	7	13	12	FOBS=	146.1	SIGMA=	94.1	PHAS=	307.1	FOM=	0.01
INDE	7	14	0	FOBS=	280.3	SIGMA=	1.8	PHAS=	51.6	FOM=	0.93
INDE	7	14	1	FOBS=	209.3	SIGMA=	2.6	PHAS=	317.4	FOM=	0.97
INDE	7	14	2	FOBS=	352.9	SIGMA=	1.7	PHAS=	11.0	FOM=	0.94
INDE	7	14	3	FOBS=	327.0	SIGMA=	1.9	PHAS=	136.9	FOM=	0.96
INDE	7	14	4	FOBS=	117.9	SIGMA=	5.3	PHAS=	352.2	FOM=	0.85
INDE	7	14	5	FOBS=	256.2	SIGMA=	2.7	PHAS=	334.8	FOM=	0.39
INDE	7	14	6	FOBS=	334.7	SIGMA=	2.9	PHAS=	102.3	FOM=	0.68
INDE	7	14	7	FOBS=	44.9	SIGMA=	22.0	PHAS=	262.9	FOM=	0.12
INDE	7	14	8	FOBS=	84.0	SIGMA=	9.0	PHAS=	128.8	FOM=	0.03
INDE	7	14	9	FOBS=	69.6	SIGMA=	13.0	PHAS=	346.9	FOM=	0.08
INDE	7	14	10	FOBS=	74.7	SIGMA=	13.6	PHAS=	149.6	FOM=	0.11
INDE	7	14	11	FOBS=	29.8	SIGMA=	20.0	PHAS=	353.1	FOM=	0.41
INDE	7	14	12	FOBS=	113.4	SIGMA=	7.5	PHAS=	261.3	FOM=	0.05
INDE	7	15	0	FOBS=	137.2	SIGMA=	3.2	PHAS=	126.7	FOM=	0.91
INDE	7	15	1	FOBS=	123.8	SIGMA=	4.2	PHAS=	26.4	FOM=	0.74
INDE	7	15	2	FOBS=	148.4	SIGMA=	3.8	PHAS=	43.4	FOM=	0.25
INDE	7	15	3	FOBS=	118.7	SIGMA=	5.1	PHAS=	316.4	FOM=	0.43
INDE	7	15	4	FOBS=	131.2	SIGMA=	5.0	PHAS=	33.7	FOM=	0.10
INDE	7	15	5	FOBS=	312.1	SIGMA=	2.9	PHAS=	108.2	FOM=	0.61
INDE	7	15	6	FOBS=	267.7	SIGMA=	2.9	PHAS=	104.1	FOM=	0.44
INDE	7	15	7	FOBS=	134.3	SIGMA=	5.8	PHAS=	328.3	FOM=	0.05
INDE	7	15	8	FOBS=	83.9	SIGMA=	67.6	PHAS=	173.6	FOM=	0.07
INDE	7	15	9	FOBS=	114.3	SIGMA=	7.2	PHAS=	53.8	FOM=	0.03
INDE	7	15	10	FOBS=	64.0	SIGMA=	12.4	PHAS=	296.8	FOM=	0.05
INDE	7	15	11	FOBS=	75.0	SIGMA=	11.1	PHAS=	146.6	FOM=	0.02
INDE	7	15	12	FOBS=	509.1	SIGMA=	1.7	PHAS=	119.7	FOM=	0.98
INDE	7	16	0	FOBS=	267.1	SIGMA=	2.0	PHAS=	65.7	FOM=	0.81
INDE	7	16	1	FOBS=	281.2	SIGMA=	2.0	PHAS=	329.4	FOM=	0.77
INDE	7	16	2	FOBS=	184.4	SIGMA=	3.4	PHAS=	167.3	FOM=	0.83
INDE	7	16	3	FOBS=	151.6	SIGMA=	4.9	PHAS=	342.2	FOM=	0.40
INDE	7	16	4	FOBS=	112.2	SIGMA=	6.9	PHAS=	289.2	FOM=	0.20
INDE	7	16	5	FOBS=	171.9	SIGMA=	4.4	PHAS=	76.2	FOM=	0.32
INDE	7	16	6	FOBS=	80.9	SIGMA=	9.2	PHAS=	335.5	FOM=	0.12

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INDE	7	16	8	FOBS=	119.2	SIGMA=	6.4	PHAS=	214.4	FOM=	0.24
INDE	7	16	9	FOBS=	92.5	SIGMA=	8.5	PHAS=	337.5	FOM=	0.06
INDE	7	16	10	FOBS=	49.9	SIGMA=	25.3	PHAS=	218.5	FOM=	0.02
INDE	7	16	11	FOBS=	51.8	SIGMA=	15.8	PHAS=	88.3	FOM=	0.07
INDE	7	17	0	FOBS=	429.8	SIGMA=	1.5	PHAS=	347.6	FOM=	0.98
INDE	7	17	1	FOBS=	306.4	SIGMA=	1.8	PHAS=	209.7	FOM=	0.63
INDE	7	17	2	FOBS=	210.9	SIGMA=	2.6	PHAS=	65.9	FOM=	0.46
INDE	7	17	3	FOBS=	141.5	SIGMA=	4.6	PHAS=	310.0	FOM=	0.55
INDE	7	17	4	FOBS=	128.0	SIGMA=	5.6	PHAS=	145.5	FOM=	0.14
INDE	7	17	5	FOBS=	204.4	SIGMA=	3.4	PHAS=	199.3	FOM=	0.35
INDE	7	17	6	FOBS=	239.5	SIGMA=	3.0	PHAS=	198.9	FOM=	0.62
INDE	7	17	7	FOBS=	144.5	SIGMA=	5.1	PHAS=	343.3	FOM=	0.10
INDE	7	17	8	FOBS=	63.2	SIGMA=	15.6	PHAS=	342.6	FOM=	0.07
INDE	7	17	9	FOBS=	117.5	SIGMA=	6.4	PHAS=	162.6	FOM=	0.32
INDE	7	17	10	FOBS=	127.2	SIGMA=	6.0	PHAS=	39.8	FOM=	0.86
INDE	7	17	11	FOBS=	58.1	SIGMA=	26.6	PHAS=	279.2	FOM=	0.09
INDE	7	18	0	FOBS=	194.0	SIGMA=	2.5	PHAS=	294.4	FOM=	0.16
INDE	7	18	1	FOBS=	362.0	SIGMA=	1.6	PHAS=	131.6	FOM=	0.95
INDE	7	18	2	FOBS=	74.7	SIGMA=	8.0	PHAS=	285.4	FOM=	0.12
INDE	7	18	3	FOBS=	255.0	SIGMA=	2.6	PHAS=	118.0	FOM=	0.12
INDE	7	18	4	FOBS=	110.8	SIGMA=	5.9	PHAS=	181.6	FOM=	0.19
INDE	7	18	5	FOBS=	114.5	SIGMA=	6.0	PHAS=	222.9	FOM=	0.04
INDE	7	18	6	FOBS=	82.1	SIGMA=	8.6	PHAS=	123.0	FOM=	0.10
INDE	7	18	7	FOBS=	211.5	SIGMA=	3.4	PHAS=	352.4	FOM=	0.90
INDE	7	18	8	FOBS=	42.5	SIGMA=	14.9	PHAS=	174.5	FOM=	0.26
INDE	7	18	9	FOBS=	54.3	SIGMA=	13.4	PHAS=	60.9	FOM=	0.16
INDE	7	18	10	FOBS=	77.4	SIGMA=	9.5	PHAS=	319.1	FOM=	0.11
INDE	7	18	11	FOBS=	145.5	SIGMA=	5.6	PHAS=	240.7	FOM=	0.29
INDE	7	19	0	FOBS=	218.1	SIGMA=	2.3	PHAS=	127.5	FOM=	0.43
INDE	7	19	1	FOBS=	136.1	SIGMA=	4.4	PHAS=	107.4	FOM=	0.09
INDE	7	19	2	FOBS=	213.9	SIGMA=	3.5	PHAS=	355.1	FOM=	0.90
INDE	7	19	3	FOBS=	61.4	SIGMA=	10.3	PHAS=	152.9	FOM=	0.07
INDE	7	19	4	FOBS=	71.7	SIGMA=	9.7	PHAS=	258.9	FOM=	0.46
INDE	7	19	5	FOBS=	212.6	SIGMA=	3.4	PHAS=	61.6	FOM=	0.93
INDE	7	19	6	FOBS=	175.4	SIGMA=	4.1	PHAS=	328.2	FOM=	0.18
INDE	7	19	7	FOBS=	98.2	SIGMA=	7.1	PHAS=	286.8	FOM=	0.40
INDE	7	19	8	FOBS=	81.6	SIGMA=	8.5	PHAS=	44.7	FOM=	0.26
INDE	7	19	9	FOBS=	93.4	SIGMA=	7.6	PHAS=	258.9	FOM=	0.42
INDE	7	19	10	FOBS=	60.7	SIGMA=	12.3	PHAS=	105.2	FOM=	0.02
INDE	7	20	0	FOBS=	236.1	SIGMA=	2.2	PHAS=	269.5	FOM=	0.38
INDE	7	20	1	FOBS=	348.6	SIGMA=	1.9	PHAS=	310.4	FOM=	0.53
INDE	7	20	2	FOBS=	328.9	SIGMA=	1.9	PHAS=	174.2	FOM=	0.63
INDE	7	20	3	FOBS=	163.4	SIGMA=	3.8	PHAS=	287.1	FOM=	0.66
INDE	7	20	4	FOBS=	216.1	SIGMA=	3.0	PHAS=	139.6	FOM=	0.75
INDE	7	20	5	FOBS=	58.0	SIGMA=	11.6	PHAS=	5.5	FOM=	0.17
INDE	7	20	6	FOBS=	66.3	SIGMA=	11.0	PHAS=	198.7	FOM=	0.41
INDE	7	20	7	FOBS=	52.3	SIGMA=	13.6	PHAS=	13.6	FOM=	0.16
INDE	7	20	8	FOBS=	66.1	SIGMA=	10.9	PHAS=	65.3	FOM=	0.09
INDE	7	20	9	FOBS=	82.9	SIGMA=	8.7	PHAS=	282.7	FOM=	0.05
INDE	7	20	10	FOBS=	112.5	SIGMA=	6.3	PHAS=	20.6	FOM=	0.05
INDE	7	21	0	FOBS=	94.5	SIGMA=	5.9	PHAS=	359.6	FOM=	0.66
INDE	7	21	1	FOBS=	205.5	SIGMA=	2.8	PHAS=	352.5	FOM=	0.93
INDE	7	21	2	FOBS=	183.5	SIGMA=	3.1	PHAS=	174.2	FOM=	0.04
INDE	7	21	3	FOBS=	263.8	SIGMA=	2.3	PHAS=	234.7	FOM=	0.78
INDE	7	21	4	FOBS=	223.8	SIGMA=	2.8	PHAS=	205.1	FOM=	0.52
INDE	7	21	5	FOBS=	185.1	SIGMA=	3.6	PHAS=	166.6	FOM=	0.29
INDE	7	21	6	FOBS=	97.5	SIGMA=	6.8	PHAS=	306.7	FOM=	0.08
INDE	7	21	7	FOBS=	130.1	SIGMA=	5.2	PHAS=	123.1	FOM=	0.35
INDE	7	21	8	FOBS=	124.1	SIGMA=	5.6	PHAS=	145.1	FOM=	0.56
INDE	7	21	9	FOBS=	40.0	SIGMA=	17.1	PHAS=	272.6	FOM=	0.19
INDE	7	21	10	FOBS=	84.0	SIGMA=	30.6	PHAS=	73.7	FOM=	0.06
INDE	7	22	0	FOBS=	244.0	SIGMA=	2.5	PHAS=	56.7	FOM=	0.41
INDE	7	22	1	FOBS=	167.6	SIGMA=	3.2	PHAS=	278.4	FOM=	0.58
INDE	7	22	2	FOBS=	226.0	SIGMA=	2.5	PHAS=	112.7	FOM=	0.71
INDE	7	22	3	FOBS=	173.1	SIGMA=	3.5	PHAS=	124.5	FOM=	0.04
INDE	7	22	4	FOBS=	223.8	SIGMA=	2.8	PHAS=	344.0	FOM=	0.58
INDE	7	22	6	FOBS=	198.9	SIGMA=	3.3	PHAS=	211.7	FOM=	0.22
INDE	7	22	7	FOBS=	59.7	SIGMA=	12.6	PHAS=	257.7	FOM=	0.07
INDE	7	22	8	FOBS=	64.8	SIGMA=	12.1	PHAS=	145.0	FOM=	0.04
INDE	7	22	9	FOBS=	122.4	SIGMA=	5.6	PHAS=	25.4	FOM=	0.22
INDE	7	23	0	FOBS=	74.8	SIGMA=	6.7	PHAS=	244.5	FOM=	0.49

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INDE	7	23	1	FOBS=	236.9	SIGMA=	2.3	PHAS=	85.5	FOM=	0.86
INDE	7	23	2	FOBS=	104.5	SIGMA=	5.2	PHAS=	33.0	FOM=	0.15
INDE	7	23	3	FOBS=	106.0	SIGMA=	5.5	PHAS=	265.4	FOM=	0.19
INDE	7	23	4	FOBS=	57.6	SIGMA=	11.6	PHAS=	84.1	FOM=	0.18
INDE	7	23	5	FOBS=	117.1	SIGMA=	5.3	PHAS=	224.8	FOM=	0.05
INDE	7	23	6	FOBS=	67.2	SIGMA=	10.3	PHAS=	252.8	FOM=	0.15
INDE	7	23	7	FOBS=	30.0	SIGMA=	20.7	PHAS=	89.2	FOM=	0.40
INDE	7	23	8	FOBS=	72.5	SIGMA=	9.3	PHAS=	313.0	FOM=	0.02
INDE	7	23	9	FOBS=	359.8	SIGMA=	239.5	PHAS=	279.7	FOM=	0.01
INDE	7	24	0	FOBS=	116.8	SIGMA=	4.6	PHAS=	145.8	FOM=	0.84
INDE	7	24	1	FOBS=	83.9	SIGMA=	6.3	PHAS=	278.4	FOM=	0.61
INDE	7	24	2	FOBS=	235.6	SIGMA=	2.5	PHAS=	334.9	FOM=	0.28
INDE	7	24	3	FOBS=	86.7	SIGMA=	6.6	PHAS=	149.4	FOM=	0.37
INDE	7	24	4	FOBS=	147.7	SIGMA=	4.2	PHAS=	270.3	FOM=	0.57
INDE	7	24	5	FOBS=	63.1	SIGMA=	10.7	PHAS=	215.1	FOM=	0.17
INDE	7	24	6	FOBS=	58.2	SIGMA=	11.0	PHAS=	121.8	FOM=	0.25
INDE	7	24	7	FOBS=	92.4	SIGMA=	6.8	PHAS=	64.9	FOM=	0.31
INDE	7	24	8	FOBS=	60.8	SIGMA=	12.1	PHAS=	195.9	FOM=	0.06
INDE	7	25	0	FOBS=	96.6	SIGMA=	5.4	PHAS=	262.4	FOM=	0.65
INDE	7	25	1	FOBS=	39.9	SIGMA=	19.8	PHAS=	56.5	FOM=	0.04
INDE	7	25	2	FOBS=	208.3	SIGMA=	2.8	PHAS=	79.9	FOM=	0.96
INDE	7	25	3	FOBS=	107.5	SIGMA=	5.1	PHAS=	278.2	FOM=	0.30
INDE	7	25	4	FOBS=	107.9	SIGMA=	5.3	PHAS=	118.7	FOM=	0.08
INDE	7	25	5	FOBS=	83.7	SIGMA=	7.2	PHAS=	148.7	FOM=	0.25
INDE	7	25	6	FOBS=	107.2	SIGMA=	5.7	PHAS=	14.6	FOM=	0.07
INDE	7	25	7	FOBS=	75.2	SIGMA=	8.8	PHAS=	321.9	FOM=	0.03
INDE	7	26	0	FOBS=	49.8	SIGMA=	10.2	PHAS=	210.5	FOM=	0.34
INDE	7	26	1	FOBS=	64.3	SIGMA=	8.4	PHAS=	134.7	FOM=	0.11
INDE	7	26	2	FOBS=	55.0	SIGMA=	10.2	PHAS=	331.7	FOM=	0.18
INDE	7	26	3	FOBS=	207.5	SIGMA=	2.9	PHAS=	276.4	FOM=	0.75
INDE	7	26	4	FOBS=	97.8	SIGMA=	5.7	PHAS=	123.8	FOM=	0.60
INDE	7	26	5	FOBS=	64.4	SIGMA=	9.2	PHAS=	241.5	FOM=	0.06
INDE	7	26	6	FOBS=	60.7	SIGMA=	10.2	PHAS=	63.6	FOM=	0.17
INDE	7	26	7	FOBS=	90.2	SIGMA=	56.6	PHAS=	298.8	FOM=	0.03
INDE	7	27	0	FOBS=	87.6	SIGMA=	5.2	PHAS=	196.8	FOM=	0.23
INDE	7	27	1	FOBS=	82.5	SIGMA=	6.0	PHAS=	250.6	FOM=	0.37
INDE	7	27	2	FOBS=	80.8	SIGMA=	6.4	PHAS=	91.6	FOM=	0.10
INDE	7	27	3	FOBS=	140.8	SIGMA=	4.0	PHAS=	311.4	FOM=	0.26
INDE	7	27	4	FOBS=	64.0	SIGMA=	20.8	PHAS=	187.0	FOM=	0.13
INDE	7	27	5	FOBS=	118.5	SIGMA=	4.9	PHAS=	73.4	FOM=	0.25
INDE	7	27	6	FOBS=	90.3	SIGMA=	8.1	PHAS=	196.8	FOM=	0.06
INDE	7	28	0	FOBS=	170.4	SIGMA=	2.7	PHAS=	311.3	FOM=	0.71
INDE	7	28	1	FOBS=	133.2	SIGMA=	3.8	PHAS=	33.3	FOM=	0.76
INDE	7	28	2	FOBS=	67.7	SIGMA=	7.7	PHAS=	232.5	FOM=	0.07
INDE	7	28	3	FOBS=	114.0	SIGMA=	4.8	PHAS=	258.3	FOM=	0.43
INDE	7	28	4	FOBS=	50.9	SIGMA=	11.2	PHAS=	69.3	FOM=	0.11
INDE	7	28	5	FOBS=	65.3	SIGMA=	37.0	PHAS=	264.9	FOM=	0.04
INDE	7	29	0	FOBS=	145.8	SIGMA=	3.9	PHAS=	21.1	FOM=	0.49
INDE	7	29	1	FOBS=	83.9	SIGMA=	5.8	PHAS=	265.0	FOM=	0.46
INDE	7	29	3	FOBS=	159.0	SIGMA=	3.6	PHAS=	311.1	FOM=	0.46
INDE	7	29	4	FOBS=	116.6	SIGMA=	16.8	PHAS=	263.6	FOM=	0.06
INDE	7	30	0	FOBS=	86.5	SIGMA=	6.4	PHAS=	317.4	FOM=	0.09
INDE	7	30	1	FOBS=	143.0	SIGMA=	3.4	PHAS=	216.6	FOM=	0.22
INDE	7	30	2	FOBS=	192.3	SIGMA=	3.4	PHAS=	91.4	FOM=	0.35
INDE	8	0	0	FOBS=	32.8	SIGMA=	18.1	PHAS=	0.0	FOM=	0.24
INDE	8	0	1	FOBS=	55.1	SIGMA=	15.6	PHAS=	180.0	FOM=	0.35
INDE	8	0	2	FOBS=	71.2	SIGMA=	13.6	PHAS=	180.0	FOM=	0.01
INDE	8	0	3	FOBS=	51.4	SIGMA=	66.3	PHAS=	0.0	FOM=	0.12
INDE	8	0	4	FOBS=	118.3	SIGMA=	7.2	PHAS=	180.0	FOM=	0.18
INDE	8	0	5	FOBS=	46.1	SIGMA=	66.4	PHAS=	180.0	FOM=	0.04
INDE	8	0	6	FOBS=	291.1	SIGMA=	3.8	PHAS=	0.0	FOM=	0.18
INDE	8	0	7	FOBS=	105.9	SIGMA=	11.4	PHAS=	0.0	FOM=	0.08
INDE	8	0	8	FOBS=	218.7	SIGMA=	11.8	PHAS=	180.0	FOM=	0.29
INDE	8	0	9	FOBS=	64.6	SIGMA=	100.8	PHAS=	180.0	FOM=	0.05
INDE	8	0	10	FOBS=	50.9	SIGMA=	58.4	PHAS=	0.0	FOM=	0.23
INDE	8	0	11	FOBS=	33.1	SIGMA=	49.0	PHAS=	180.0	FOM=	0.08
INDE	8	0	12	FOBS=	121.8	SIGMA=	11.6	PHAS=	180.0	FOM=	0.16
INDE	8	0	13	FOBS=	64.4	SIGMA=	47.8	PHAS=	0.0	FOM=	0.03
INDE	8	1	0	FOBS=	178.1	SIGMA=	2.6	PHAS=	120.7	FOM=	0.82
INDE	8	1	1	FOBS=	62.6	SIGMA=	8.4	PHAS=	278.7	FOM=	0.26
INDE	8	1	2	FOBS=	113.5	SIGMA=	5.2	PHAS=	109.0	FOM=	0.08

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INDE	8	1	3	FOBS=	165.2	SIGMA=	3.9	PHAS=	331.4	FOM=	0.85
INDE	8	4	4	FOBS=	273.2	SIGMA=	2.5	PHAS=	79.8	FOM=	0.97
INDE	8	1	5	FOBS=	138.8	SIGMA=	5.0	PHAS=	40.7	FOM=	0.31
INDE	8	1	6	FOBS=	111.3	SIGMA=	6.8	PHAS=	269.5	FOM=	0.64
INDE	8	1	7	FOBS=	191.0	SIGMA=	5.6	PHAS=	155.1	FOM=	0.46
INDE	8	1	8	FOBS=	157.4	SIGMA=	6.6	PHAS=	247.0	FOM=	0.26
INDE	8	1	9	FOBS=	52.1	SIGMA=	23.0	PHAS=	341.9	FOM=	0.16
INDE	8	1	10	FOBS=	123.7	SIGMA=	10.3	PHAS=	107.9	FOM=	0.09
INDE	8	1	11	FOBS=	74.8	SIGMA=	16.4	PHAS=	235.0	FOM=	0.09
INDE	8	1	12	FOBS=	168.7	SIGMA=	6.0	PHAS=	5.0	FOM=	0.06
INDE	8	1	13	FOBS=	94.6	SIGMA=	11.0	PHAS=	59.1	FOM=	0.03
INDE	8	2	0	FOBS=	113.3	SIGMA=	4.6	PHAS=	287.8	FOM=	0.30
INDE	8	2	1	FOBS=	312.8	SIGMA=	2.0	PHAS=	46.6	FOM=	0.84
INDE	8	2	2	FOBS=	33.1	SIGMA=	15.9	PHAS=	8.7	FOM=	0.28
INDE	8	2	3	FOBS=	91.9	SIGMA=	6.8	PHAS=	257.7	FOM=	0.47
INDE	8	2	4	FOBS=	84.9	SIGMA=	8.4	PHAS=	122.0	FOM=	0.28
INDE	8	2	5	FOBS=	302.2	SIGMA=	2.5	PHAS=	271.8	FOM=	0.90
INDE	8	2	7	FOBS=	138.2	SIGMA=	6.3	PHAS=	344.1	FOM=	0.17
INDE	8	2	8	FOBS=	159.8	SIGMA=	6.4	PHAS=	156.8	FOM=	0.13
INDE	8	2	9	FOBS=	81.4	SIGMA=	14.6	PHAS=	165.5	FOM=	0.03
INDE	8	2	10	FOBS=	95.1	SIGMA=	11.6	PHAS=	326.8	FOM=	0.06
INDE	8	2	11	FOBS=	102.7	SIGMA=	12.4	PHAS=	239.0	FOM=	0.05
INDE	8	2	12	FOBS=	113.9	SIGMA=	10.4	PHAS=	54.8	FOM=	0.28
INDE	8	2	13	FOBS=	65.3	SIGMA=	20.6	PHAS=	215.0	FOM=	0.01
INDE	8	3	0	FOBS=	248.8	SIGMA=	2.2	PHAS=	111.6	FOM=	0.96
INDE	8	3	1	FOBS=	241.1	SIGMA=	2.7	PHAS=	321.7	FOM=	0.97
INDE	8	3	2	FOBS=	202.9	SIGMA=	2.7	PHAS=	308.8	FOM=	0.96
INDE	8	3	3	FOBS=	116.9	SIGMA=	4.9	PHAS=	28.9	FOM=	0.80
INDE	8	3	4	FOBS=	108.7	SIGMA=	6.2	PHAS=	350.0	FOM=	0.39
INDE	8	3	5	FOBS=	141.0	SIGMA=	6.9	PHAS=	176.6	FOM=	0.19
INDE	8	3	6	FOBS=	299.2	SIGMA=	2.6	PHAS=	48.1	FOM=	0.86
INDE	8	3	7	FOBS=	66.0	SIGMA=	12.9	PHAS=	231.1	FOM=	0.23
INDE	8	3	8	FOBS=	107.6	SIGMA=	9.4	PHAS=	52.4	FOM=	0.18
INDE	8	3	9	FOBS=	104.0	SIGMA=	9.5	PHAS=	350.5	FOM=	0.09
INDE	8	3	10	FOBS=	51.3	SIGMA=	22.8	PHAS=	233.4	FOM=	0.05
INDE	8	3	11	FOBS=	129.0	SIGMA=	7.6	PHAS=	43.6	FOM=	0.17
INDE	8	3	12	FOBS=	43.7	SIGMA=	20.3	PHAS=	244.1	FOM=	0.25
INDE	8	3	13	FOBS=	79.3	SIGMA=	16.9	PHAS=	298.6	FOM=	0.00
INDE	8	4	0	FOBS=	96.1	SIGMA=	5.2	PHAS=	333.4	FOM=	0.54
INDE	8	4	1	FOBS=	91.8	SIGMA=	5.2	PHAS=	204.1	FOM=	0.09
INDE	8	4	2	FOBS=	83.9	SIGMA=	6.1	PHAS=	79.3	FOM=	0.12
INDE	8	4	3	FOBS=	92.6	SIGMA=	6.0	PHAS=	173.0	FOM=	0.23
INDE	8	4	4	FOBS=	129.8	SIGMA=	5.5	PHAS=	217.1	FOM=	0.28
INDE	8	4	5	FOBS=	236.0	SIGMA=	3.4	PHAS=	40.4	FOM=	0.90
INDE	8	4	6	FOBS=	89.1	SIGMA=	10.2	PHAS=	167.2	FOM=	0.27
INDE	8	4	7	FOBS=	499.7	SIGMA=	28.9	PHAS=	32.3	FOM=	0.04
INDE	8	4	8	FOBS=	209.7	SIGMA=	4.8	PHAS=	181.1	FOM=	0.23
INDE	8	4	9	FOBS=	112.0	SIGMA=	8.5	PHAS=	350.0	FOM=	0.09
INDE	8	4	10	FOBS=	62.5	SIGMA=	32.9	PHAS=	195.1	FOM=	0.04
INDE	8	4	11	FOBS=	133.7	SIGMA=	6.9	PHAS=	76.8	FOM=	0.52
INDE	8	4	12	FOBS=	73.7	SIGMA=	14.5	PHAS=	9.3	FOM=	0.03
INDE	8	4	13	FOBS=	218.6	SIGMA=	2.2	PHAS=	118.9	FOM=	0.92
INDE	8	5	0	FOBS=	85.9	SIGMA=	6.1	PHAS=	86.5	FOM=	0.72
INDE	8	5	1	FOBS=	143.5	SIGMA=	3.9	PHAS=	212.3	FOM=	0.95
INDE	8	5	2	FOBS=	169.8	SIGMA=	4.2	PHAS=	76.9	FOM=	0.65
INDE	8	5	3	FOBS=	50.3	SIGMA=	12.7	PHAS=	49.5	FOM=	0.05
INDE	8	5	4	FOBS=	58.0	SIGMA=	33.8	PHAS=	260.4	FOM=	0.04
INDE	8	5	5	FOBS=	157.6	SIGMA=	6.3	PHAS=	109.1	FOM=	0.19
INDE	8	5	6	FOBS=	56.4	SIGMA=	19.6	PHAS=	293.4	FOM=	0.11
INDE	8	5	7	FOBS=	190.2	SIGMA=	5.3	PHAS=	67.6	FOM=	0.74
INDE	8	5	8	FOBS=	296.5	SIGMA=	3.2	PHAS=	232.0	FOM=	0.83
INDE	8	5	9	FOBS=	146.9	SIGMA=	6.4	PHAS=	309.5	FOM=	0.21
INDE	8	5	10	FOBS=	80.1	SIGMA=	11.8	PHAS=	108.3	FOM=	0.23
INDE	8	5	11	FOBS=	66.6	SIGMA=	18.2	PHAS=	340.6	FOM=	0.04
INDE	8	5	12	FOBS=	52.1	SIGMA=	21.7	PHAS=	239.2	FOM=	0.03
INDE	8	6	0	FOBS=	104.0	SIGMA=	4.5	PHAS=	118.3	FOM=	0.46
INDE	8	6	1	FOBS=	75.4	SIGMA=	6.4	PHAS=	257.5	FOM=	0.14
INDE	8	6	2	FOBS=	142.6	SIGMA=	4.5	PHAS=	145.1	FOM=	0.38
INDE	8	6	3	FOBS=	299.5	SIGMA=	2.1	PHAS=	345.9	FOM=	0.33
INDE	8	6	4	FOBS=	118.1	SIGMA=	5.5	PHAS=	196.9	FOM=	0.48
INDE	8	6	5	FOBS=	262.1	SIGMA=	3.0	PHAS=	332.0	FOM=	0.97

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INDE	8	6	6	FOBS=	167.9	SIGMA=	4.7	PHAS=	128.7	FOM=	0.17
INDE	8	6	7	FOBS=	66.0	SIGMA=	16.3	PHAS=	115.3	FOM=	0.11
INDE	8	6	8	FOBS=	46.0	SIGMA=	20.8	PHAS=	324.6	FOM=	0.17
INDE	8	6	9	FOBS=	79.9	SIGMA=	11.9	PHAS=	224.3	FOM=	0.23
INDE	8	6	10	FOBS=	58.9	SIGMA=	16.6	PHAS=	86.3	FOM=	0.19
INDE	8	6	11	FOBS=	113.4	SIGMA=	8.0	PHAS=	326.5	FOM=	0.02
INDE	8	6	12	FOBS=	65.7	SIGMA=	26.3	PHAS=	255.0	FOM=	0.04
INDE	8	6	13	FOBS=	77.8	SIGMA=	13.3	PHAS=	98.2	FOM=	0.07
INDE	8	7	0	FOBS=	196.6	SIGMA=	2.5	PHAS=	219.1	FOM=	0.55
INDE	8	7	1	FOBS=	49.3	SIGMA=	12.4	PHAS=	310.8	FOM=	0.16
INDE	8	7	2	FOBS=	103.6	SIGMA=	5.3	PHAS=	147.3	FOM=	0.25
INDE	8	7	3	FOBS=	95.5	SIGMA=	6.2	PHAS=	183.4	FOM=	0.61
INDE	8	7	4	FOBS=	273.7	SIGMA=	2.4	PHAS=	240.3	FOM=	0.90
INDE	8	7	5	FOBS=	161.8	SIGMA=	4.4	PHAS=	126.6	FOM=	0.20
INDE	8	7	6	FOBS=	253.4	SIGMA=	3.2	PHAS=	216.0	FOM=	0.95
INDE	8	7	7	FOBS=	115.1	SIGMA=	9.1	PHAS=	329.3	FOM=	0.45
INDE	8	7	8	FOBS=	164.5	SIGMA=	6.3	PHAS=	142.0	FOM=	0.07
INDE	8	7	9	FOBS=	45.5	SIGMA=	19.3	PHAS=	172.7	FOM=	0.18
INDE	8	7	10	FOBS=	62.2	SIGMA=	16.5	PHAS=	7.4	FOM=	0.17
INDE	8	7	11	FOBS=	60.1	SIGMA=	18.8	PHAS=	216.4	FOM=	0.06
INDE	8	7	12	FOBS=	119.8	SIGMA=	8.4	PHAS=	26.3	FOM=	0.03
INDE	8	7	13	FOBS=	89.8	SIGMA=	10.8	PHAS=	124.7	FOM=	0.02
INDE	8	8	0	FOBS=	205.9	SIGMA=	2.4	PHAS=	289.6	FOM=	0.86
INDE	8	8	1	FOBS=	166.3	SIGMA=	3.0	PHAS=	12.4	FOM=	0.89
INDE	8	8	2	FOBS=	248.8	SIGMA=	2.3	PHAS=	151.5	FOM=	0.92
INDE	8	8	3	FOBS=	89.3	SIGMA=	6.6	PHAS=	294.2	FOM=	0.43
INDE	8	8	4	FOBS=	239.5	SIGMA=	2.9	PHAS=	259.8	FOM=	0.23
INDE	8	8	5	FOBS=	200.7	SIGMA=	3.5	PHAS=	166.7	FOM=	0.11
INDE	8	8	6	FOBS=	256.1	SIGMA=	2.9	PHAS=	322.2	FOM=	0.23
INDE	8	8	7	FOBS=	68.8	SIGMA=	17.8	PHAS=	336.6	FOM=	0.07
INDE	8	8	8	FOBS=	67.3	SIGMA=	26.3	PHAS=	122.1	FOM=	0.10
INDE	8	8	9	FOBS=	156.0	SIGMA=	6.2	PHAS=	186.8	FOM=	0.39
INDE	8	8	10	FOBS=	118.4	SIGMA=	7.4	PHAS=	357.8	FOM=	0.25
INDE	8	8	11	FOBS=	125.0	SIGMA=	7.8	PHAS=	204.4	FOM=	0.04
INDE	8	8	12	FOBS=	88.6	SIGMA=	10.8	PHAS=	223.3	FOM=	0.04
INDE	8	9	0	FOBS=	145.4	SIGMA=	4.1	PHAS=	200.0	FOM=	0.91
INDE	8	9	1	FOBS=	347.6	SIGMA=	1.6	PHAS=	216.7	FOM=	0.92
INDE	8	9	2	FOBS=	200.4	SIGMA=	2.8	PHAS=	141.8	FOM=	0.91
INDE	8	9	3	FOBS=	98.7	SIGMA=	6.1	PHAS=	193.7	FOM=	0.49
INDE	8	9	4	FOBS=	118.1	SIGMA=	5.6	PHAS=	331.5	FOM=	0.04
INDE	8	9	5	FOBS=	49.1	SIGMA=	18.7	PHAS=	54.3	FOM=	0.09
INDE	8	9	6	FOBS=	291.3	SIGMA=	2.6	PHAS=	2.8	FOM=	0.53
INDE	8	9	7	FOBS=	71.1	SIGMA=	12.6	PHAS=	103.2	FOM=	0.06
INDE	8	9	8	FOBS=	234.0	SIGMA=	4.0	PHAS=	170.4	FOM=	0.31
INDE	8	9	9	FOBS=	46.7	SIGMA=	21.3	PHAS=	316.5	FOM=	0.04
INDE	8	9	10	FOBS=	121.8	SIGMA=	8.1	PHAS=	57.4	FOM=	0.16
INDE	8	9	11	FOBS=	70.2	SIGMA=	43.2	PHAS=	214.6	FOM=	0.16
INDE	8	9	12	FOBS=	77.8	SIGMA=	11.8	PHAS=	303.2	FOM=	0.03
INDE	8	10	0	FOBS=	177.5	SIGMA=	2.8	PHAS=	123.6	FOM=	0.92
INDE	8	10	1	FOBS=	192.0	SIGMA=	2.7	PHAS=	357.2	FOM=	0.87
INDE	8	10	2	FOBS=	374.7	SIGMA=	1.7	PHAS=	329.0	FOM=	0.67
INDE	8	10	3	FOBS=	206.2	SIGMA=	3.0	PHAS=	148.9	FOM=	0.79
INDE	8	10	4	FOBS=	262.3	SIGMA=	2.5	PHAS=	69.8	FOM=	0.30
INDE	8	10	5	FOBS=	249.1	SIGMA=	2.8	PHAS=	198.2	FOM=	0.43
INDE	8	10	6	FOBS=	160.8	SIGMA=	5.3	PHAS=	39.2	FOM=	0.19
INDE	8	10	7	FOBS=	194.4	SIGMA=	4.7	PHAS=	334.9	FOM=	0.27
INDE	8	10	8	FOBS=	90.4	SIGMA=	10.0	PHAS=	274.4	FOM=	0.13
INDE	8	10	9	FOBS=	106.5	SIGMA=	10.8	PHAS=	69.5	FOM=	0.08
INDE	8	10	10	FOBS=	50.2	SIGMA=	33.8	PHAS=	244.4	FOM=	0.08
INDE	8	10	11	FOBS=	168.1	SIGMA=	5.2	PHAS=	77.7	FOM=	0.01
INDE	8	10	12	FOBS=	105.9	SIGMA=	4.8	PHAS=	225.2	FOM=	0.91
INDE	8	11	0	FOBS=	107.9	SIGMA=	4.9	PHAS=	32.0	FOM=	0.87
INDE	8	11	1	FOBS=	117.1	SIGMA=	4.8	PHAS=	243.0	FOM=	0.64
INDE	8	11	2	FOBS=	89.4	SIGMA=	6.9	PHAS=	287.5	FOM=	0.07
INDE	8	11	3	FOBS=	329.3	SIGMA=	2.1	PHAS=	155.7	FOM=	0.77
INDE	8	11	4	FOBS=	70.8	SIGMA=	10.0	PHAS=	203.4	FOM=	0.15
INDE	8	11	5	FOBS=	72.7	SIGMA=	10.8	PHAS=	24.3	FOM=	0.29
INDE	8	11	6	FOBS=	69.1	SIGMA=	41.3	PHAS=	190.9	FOM=	0.09
INDE	8	11	7	FOBS=	163.7	SIGMA=	5.1	PHAS=	116.4	FOM=	0.10
INDE	8	11	8	FOBS=	127.5	SIGMA=	8.1	PHAS=	34.4	FOM=	0.08
INDE	8	11	9	FOBS=	148.0	SIGMA=	6.5	PHAS=	2.1	FOM=	0.01

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INDE	8	11	11	FOBS=	41.1	SIGMA=	19.0	PHAS=	222.9	FOM=	0.41
INDE	8	11	12	FOBS=	81.8	SIGMA=	13.3	PHAS=	66.6	FOM=	0.02
INDE	8	12	0	FOBS=	154.0	SIGMA=	3.4	PHAS=	182.1	FOM=	0.94
INDE	8	12	1	FOBS=	244.6	SIGMA=	2.2	PHAS=	4.8	FOM=	0.84
INDE	8	12	2	FOBS=	357.8	SIGMA=	1.8	PHAS=	55.2	FOM=	0.97
INDE	8	12	3	FOBS=	288.8	SIGMA=	2.2	PHAS=	157.5	FOM=	0.97
INDE	8	12	4	FOBS=	390.8	SIGMA=	1.8	PHAS=	287.5	FOM=	0.89
INDE	8	12	5	FOBS=	93.4	SIGMA=	7.7	PHAS=	121.8	FOM=	0.14
INDE	8	12	6	FOBS=	125.6	SIGMA=	6.3	PHAS=	302.7	FOM=	0.16
INDE	8	12	7	FOBS=	128.4	SIGMA=	6.3	PHAS=	217.7	FOM=	0.14
INDE	8	12	8	FOBS=	122.7	SIGMA=	7.4	PHAS=	98.4	FOM=	0.07
INDE	8	12	9	FOBS=	107.1	SIGMA=	8.8	PHAS=	67.4	FOM=	0.12
INDE	8	12	10	FOBS=	99.8	SIGMA=	8.5	PHAS=	248.3	FOM=	0.05
INDE	8	12	11	FOBS=	75.7	SIGMA=	11.9	PHAS=	227.7	FOM=	0.02
INDE	8	13	0	FOBS=	278.2	SIGMA=	1.9	PHAS=	223.8	FOM=	0.93
INDE	8	13	1	FOBS=	177.7	SIGMA=	3.0	PHAS=	325.4	FOM=	0.92
INDE	8	13	2	FOBS=	120.7	SIGMA=	5.1	PHAS=	262.6	FOM=	0.79
INDE	8	13	3	FOBS=	176.0	SIGMA=	3.5	PHAS=	230.0	FOM=	0.12
INDE	8	13	4	FOBS=	206.4	SIGMA=	3.2	PHAS=	156.6	FOM=	0.85
INDE	8	13	5	FOBS=	441.1	SIGMA=	2.0	PHAS=	36.5	FOM=	0.94
INDE	8	13	6	FOBS=	266.7	SIGMA=	3.0	PHAS=	307.9	FOM=	0.54
INDE	8	13	7	FOBS=	222.8	SIGMA=	4.1	PHAS=	205.4	FOM=	0.57
INDE	8	13	8	FOBS=	124.4	SIGMA=	7.5	PHAS=	169.7	FOM=	0.14
INDE	8	13	9	FOBS=	99.6	SIGMA=	8.0	PHAS=	262.4	FOM=	0.11
INDE	8	13	10	FOBS=	91.3	SIGMA=	8.9	PHAS=	245.8	FOM=	0.12
INDE	8	13	11	FOBS=	110.2	SIGMA=	7.6	PHAS=	105.3	FOM=	0.19
INDE	8	14	0	FOBS=	133.4	SIGMA=	4.0	PHAS=	62.5	FOM=	0.13
INDE	8	14	1	FOBS=	185.4	SIGMA=	2.9	PHAS=	16.1	FOM=	0.76
INDE	8	14	2	FOBS=	261.0	SIGMA=	2.3	PHAS=	211.0	FOM=	0.52
INDE	8	14	3	FOBS=	326.2	SIGMA=	2.0	PHAS=	204.1	FOM=	0.26
INDE	8	14	4	FOBS=	99.7	SIGMA=	6.7	PHAS=	54.5	FOM=	0.13
INDE	8	14	5	FOBS=	370.0	SIGMA=	2.3	PHAS=	4.4	FOM=	0.90
INDE	8	14	6	FOBS=	206.3	SIGMA=	4.0	PHAS=	13.6	FOM=	0.06
INDE	8	14	7	FOBS=	165.3	SIGMA=	5.7	PHAS=	164.0	FOM=	0.64
INDE	8	14	8	FOBS=	74.9	SIGMA=	11.5	PHAS=	305.4	FOM=	0.31
INDE	8	14	9	FOBS=	179.0	SIGMA=	4.5	PHAS=	324.3	FOM=	0.20
INDE	8	14	10	FOBS=	93.3	SIGMA=	9.2	PHAS=	142.3	FOM=	0.32
INDE	8	14	11	FOBS=	113.6	SIGMA=	7.0	PHAS=	199.7	FOM=	0.04
INDE	8	15	0	FOBS=	243.7	SIGMA=	2.2	PHAS=	136.6	FOM=	0.68
INDE	8	15	1	FOBS=	370.0	SIGMA=	1.7	PHAS=	210.0	FOM=	0.50
INDE	8	15	2	FOBS=	102.6	SIGMA=	5.7	PHAS=	91.6	FOM=	0.03
INDE	8	15	3	FOBS=	138.4	SIGMA=	4.7	PHAS=	208.3	FOM=	0.35
INDE	8	15	4	FOBS=	122.2	SIGMA=	5.7	PHAS=	83.3	FOM=	0.42
INDE	8	15	5	FOBS=	313.1	SIGMA=	2.7	PHAS=	288.9	FOM=	0.76
INDE	8	15	6	FOBS=	41.9	SIGMA=	19.1	PHAS=	124.1	FOM=	0.14
INDE	8	15	7	FOBS=	67.9	SIGMA=	12.5	PHAS=	1.2	FOM=	0.19
INDE	8	15	8	FOBS=	79.7	SIGMA=	9.6	PHAS=	234.0	FOM=	0.13
INDE	8	15	9	FOBS=	96.8	SIGMA=	7.8	PHAS=	112.7	FOM=	0.10
INDE	8	15	10	FOBS=	88.0	SIGMA=	9.3	PHAS=	276.1	FOM=	0.06
INDE	8	15	11	FOBS=	59.0	SIGMA=	13.9	PHAS=	152.2	FOM=	0.05
INDE	8	16	0	FOBS=	559.9	SIGMA=	1.9	PHAS=	359.2	FOM=	0.87
INDE	8	16	1	FOBS=	195.9	SIGMA=	2.9	PHAS=	300.3	FOM=	0.78
INDE	8	16	2	FOBS=	284.8	SIGMA=	2.2	PHAS=	181.5	FOM=	0.86
INDE	8	16	3	FOBS=	217.4	SIGMA=	3.0	PHAS=	261.5	FOM=	0.64
INDE	8	16	4	FOBS=	122.2	SIGMA=	5.9	PHAS=	179.8	FOM=	0.28
INDE	8	16	5	FOBS=	193.8	SIGMA=	4.3	PHAS=	200.7	FOM=	0.27
INDE	8	16	6	FOBS=	70.9	SIGMA=	11.6	PHAS=	347.1	FOM=	0.11
INDE	8	16	7	FOBS=	50.3	SIGMA=	32.4	PHAS=	177.1	FOM=	0.11
INDE	8	16	8	FOBS=	123.3	SIGMA=	6.3	PHAS=	116.7	FOM=	0.40
INDE	8	16	9	FOBS=	73.0	SIGMA=	12.0	PHAS=	208.8	FOM=	0.03
INDE	8	16	10	FOBS=	62.4	SIGMA=	13.3	PHAS=	94.8	FOM=	0.02
INDE	8	16	11	FOBS=	65.8	SIGMA=	12.9	PHAS=	21.1	FOM=	0.01
INDE	8	17	0	FOBS=	377.9	SIGMA=	1.8	PHAS=	132.2	FOM=	0.86
INDE	8	17	1	FOBS=	88.0	SIGMA=	6.3	PHAS=	287.1	FOM=	0.35
INDE	8	17	2	FOBS=	131.9	SIGMA=	4.7	PHAS=	357.7	FOM=	0.64
INDE	8	17	3	FOBS=	179.1	SIGMA=	265.2	PHAS=	34.2	FOM=	0.20
INDE	8	17	4	FOBS=	141.1	SIGMA=	5.9	PHAS=	344.2	FOM=	0.03
INDE	8	17	5	FOBS=	191.6	SIGMA=	3.9	PHAS=	212.0	FOM=	0.10
INDE	8	17	6	FOBS=	71.6	SIGMA=	10.5	PHAS=	56.6	FOM=	0.16
INDE	8	17	7	FOBS=	76.0	SIGMA=	9.8	PHAS=	285.2	FOM=	0.08
INDE	8	17	8	FOBS=	65.1	SIGMA=	11.9	PHAS=	138.3	FOM=	0.18

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INDE	8	17	10	FOBS=	101.0	SIGMA=	55.5	PHAS=	21.7	FOM=	0.04
INDE	8	18	0	FOBS=	272.3	SIGMA=	2.1	PHAS=	155.7	FOM=	0.93
INDE	8	18	1	FOBS=	241.6	SIGMA=	2.4	PHAS=	321.9	FOM=	0.83
INDE	8	18	2	FOBS=	113.9	SIGMA=	5.4	PHAS=	225.7	FOM=	0.27
INDE	8	18	3	FOBS=	87.8	SIGMA=	8.2	PHAS=	325.6	FOM=	0.12
INDE	8	18	4	FOBS=	180.4	SIGMA=	4.3	PHAS=	252.2	FOM=	0.35
INDE	8	18	5	FOBS=	164.1	SIGMA=	4.5	PHAS=	218.7	FOM=	0.80
INDE	8	18	6	FOBS=	249.9	SIGMA=	3.2	PHAS=	334.0	FOM=	0.90
INDE	8	18	7	FOBS=	81.2	SIGMA=	8.8	PHAS=	326.4	FOM=	0.04
INDE	8	18	8	FOBS=	132.7	SIGMA=	5.6	PHAS=	215.6	FOM=	0.29
INDE	8	18	9	FOBS=	61.3	SIGMA=	35.0	PHAS=	286.6	FOM=	0.07
INDE	8	19	0	FOBS=	162.5	SIGMA=	3.4	PHAS=	293.3	FOM=	0.40
INDE	8	19	1	FOBS=	187.4	SIGMA=	3.2	PHAS=	58.0	FOM=	0.45
INDE	8	19	2	FOBS=	121.3	SIGMA=	5.3	PHAS=	91.7	FOM=	0.35
INDE	8	19	3	FOBS=	130.6	SIGMA=	5.5	PHAS=	351.5	FOM=	0.49
INDE	8	19	4	FOBS=	95.4	SIGMA=	7.3	PHAS=	155.7	FOM=	0.03
INDE	8	19	5	FOBS=	338.0	SIGMA=	2.3	PHAS=	113.3	FOM=	0.00
INDE	8	19	6	FOBS=	102.1	SIGMA=	6.9	PHAS=	306.7	FOM=	0.28
INDE	8	19	7	FOBS=	102.9	SIGMA=	9.8	PHAS=	181.3	FOM=	0.29
INDE	8	19	8	FOBS=	74.2	SIGMA=	9.9	PHAS=	236.9	FOM=	0.31
INDE	8	19	9	FOBS=	77.3	SIGMA=	9.3	PHAS=	99.2	FOM=	0.07
INDE	8	19	10	FOBS=	71.3	SIGMA=	10.5	PHAS=	28.5	FOM=	0.03
INDE	8	20	0	FOBS=	151.3	SIGMA=	3.7	PHAS=	108.3	FOM=	0.91
INDE	8	20	1	FOBS=	189.0	SIGMA=	3.0	PHAS=	90.5	FOM=	0.54
INDE	8	20	2	FOBS=	151.1	SIGMA=	4.7	PHAS=	29.3	FOM=	0.18
INDE	8	20	3	FOBS=	193.3	SIGMA=	3.5	PHAS=	19.3	FOM=	0.61
INDE	8	20	4	FOBS=	45.2	SIGMA=	27.2	PHAS=	358.1	FOM=	0.18
INDE	8	20	5	FOBS=	210.1	SIGMA=	3.3	PHAS=	101.4	FOM=	0.86
INDE	8	20	6	FOBS=	144.5	SIGMA=	4.9	PHAS=	114.5	FOM=	0.42
INDE	8	20	7	FOBS=	77.8	SIGMA=	9.1	PHAS=	198.1	FOM=	0.10
INDE	8	20	8	FOBS=	62.1	SIGMA=	12.5	PHAS=	122.9	FOM=	0.04
INDE	8	21	0	FOBS=	94.1	SIGMA=	5.6	PHAS=	71.5	FOM=	0.08
INDE	8	21	1	FOBS=	88.3	SIGMA=	6.9	PHAS=	356.4	FOM=	0.31
INDE	8	21	2	FOBS=	170.5	SIGMA=	3.9	PHAS=	80.0	FOM=	0.18
INDE	8	21	3	FOBS=	70.4	SIGMA=	9.3	PHAS=	259.6	FOM=	0.14
INDE	8	21	4	FOBS=	209.1	SIGMA=	3.2	PHAS=	74.5	FOM=	0.79
INDE	8	21	5	FOBS=	81.6	SIGMA=	8.2	PHAS=	276.2	FOM=	0.09
INDE	8	21	6	FOBS=	227.0	SIGMA=	3.0	PHAS=	347.3	FOM=	0.82
INDE	8	21	7	FOBS=	119.5	SIGMA=	5.8	PHAS=	121.6	FOM=	0.57
INDE	8	21	8	FOBS=	62.4	SIGMA=	11.0	PHAS=	290.8	FOM=	0.02
INDE	8	21	9	FOBS=	76.3	SIGMA=	9.5	PHAS=	294.5	FOM=	0.02
INDE	8	22	0	FOBS=	145.2	SIGMA=	4.0	PHAS=	183.4	FOM=	0.69
INDE	8	22	1	FOBS=	173.0	SIGMA=	3.6	PHAS=	259.3	FOM=	0.45
INDE	8	22	2	FOBS=	76.1	SIGMA=	7.5	PHAS=	113.0	FOM=	0.41
INDE	8	22	3	FOBS=	74.9	SIGMA=	8.3	PHAS=	252.4	FOM=	0.03
INDE	8	22	4	FOBS=	96.8	SIGMA=	6.4	PHAS=	322.5	FOM=	0.45
INDE	8	22	5	FOBS=	95.1	SIGMA=	6.9	PHAS=	255.2	FOM=	0.16
INDE	8	22	6	FOBS=	50.2	SIGMA=	19.7	PHAS=	9.6	FOM=	0.12
INDE	8	22	7	FOBS=	63.4	SIGMA=	10.3	PHAS=	132.0	FOM=	0.08
INDE	8	22	8	FOBS=	84.9	SIGMA=	8.0	PHAS=	339.5	FOM=	0.27
INDE	8	23	0	FOBS=	134.0	SIGMA=	4.3	PHAS=	219.1	FOM=	0.74
INDE	8	23	1	FOBS=	127.6	SIGMA=	4.4	PHAS=	72.7	FOM=	0.77
INDE	8	23	2	FOBS=	52.0	SIGMA=	11.8	PHAS=	344.5	FOM=	0.06
INDE	8	23	3	FOBS=	136.3	SIGMA=	4.5	PHAS=	248.8	FOM=	0.39
INDE	8	23	4	FOBS=	40.9	SIGMA=	21.1	PHAS=	92.2	FOM=	0.10
INDE	8	23	5	FOBS=	53.8	SIGMA=	12.8	PHAS=	205.0	FOM=	0.07
INDE	8	23	6	FOBS=	45.8	SIGMA=	12.6	PHAS=	342.9	FOM=	0.40
INDE	8	23	7	FOBS=	99.3	SIGMA=	6.6	PHAS=	287.5	FOM=	0.03
INDE	8	24	0	FOBS=	85.7	SIGMA=	6.0	PHAS=	255.5	FOM=	0.16
INDE	8	24	1	FOBS=	77.7	SIGMA=	6.8	PHAS=	73.5	FOM=	0.04
INDE	8	24	2	FOBS=	80.5	SIGMA=	6.8	PHAS=	254.1	FOM=	0.11
INDE	8	24	3	FOBS=	98.8	SIGMA=	8.3	PHAS=	30.2	FOM=	0.08
INDE	8	24	4	FOBS=	111.6	SIGMA=	5.4	PHAS=	131.6	FOM=	0.20
INDE	8	24	5	FOBS=	134.2	SIGMA=	4.7	PHAS=	15.5	FOM=	0.57
INDE	8	24	6	FOBS=	89.7	SIGMA=	7.0	PHAS=	302.0	FOM=	0.03
INDE	8	24	7	FOBS=	95.1	SIGMA=	6.7	PHAS=	193.0	FOM=	0.14
INDE	8	25	0	FOBS=	138.1	SIGMA=	3.9	PHAS=	303.1	FOM=	0.42
INDE	8	25	1	FOBS=	53.6	SIGMA=	10.3	PHAS=	24.0	FOM=	0.11
INDE	8	25	2	FOBS=	121.3	SIGMA=	4.5	PHAS=	115.5	FOM=	0.13
INDE	8	25	3	FOBS=	48.8	SIGMA=	12.1	PHAS=	190.0	FOM=	0.19
INDE	8	25	4	FOBS=	105.1	SIGMA=	5.7	PHAS=	13.9	FOM=	0.63

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INDE	8	25	5	FOBS=	78.3	SIGMA=	8.0	PHAS=	308.3	FOM=	0.10
INDE	8	25	6	FOBS=	125.3	SIGMA=	5.0	PHAS=	127.6	FOM=	0.22
INDE	8	26	0	FOBS=	109.1	SIGMA=	4.9	PHAS=	37.9	FOM=	0.75
INDE	8	26	1	FOBS=	130.3	SIGMA=	4.1	PHAS=	140.0	FOM=	0.36
INDE	8	26	2	FOBS=	37.4	SIGMA=	15.9	PHAS=	201.9	FOM=	0.30
INDE	8	26	3	FOBS=	75.5	SIGMA=	7.8	PHAS=	34.9	FOM=	0.93
INDE	8	26	4	FOBS=	95.3	SIGMA=	6.1	PHAS=	312.2	FOM=	0.44
INDE	8	26	5	FOBS=	67.1	SIGMA=	9.1	PHAS=	180.3	FOM=	0.18
INDE	8	26	6	FOBS=	76.0	SIGMA=	41.7	PHAS=	352.1	FOM=	0.07
INDE	8	27	0	FOBS=	35.3	SIGMA=	14.4	PHAS=	283.8	FOM=	0.45
INDE	8	27	1	FOBS=	40.0	SIGMA=	12.5	PHAS=	154.4	FOM=	0.63
INDE	8	27	2	FOBS=	97.7	SIGMA=	5.5	PHAS=	63.7	FOM=	0.14
INDE	8	27	3	FOBS=	70.4	SIGMA=	7.8	PHAS=	278.2	FOM=	0.02
INDE	8	27	4	FOBS=	143.7	SIGMA=	4.1	PHAS=	194.6	FOM=	0.46
INDE	8	27	5	FOBS=	117.9	SIGMA=	10.2	PHAS=	34.5	FOM=	0.14
INDE	8	28	0	FOBS=	149.1	SIGMA=	3.1	PHAS=	23.7	FOM=	0.66
INDE	8	28	1	FOBS=	83.1	SIGMA=	6.0	PHAS=	10.8	FOM=	0.03
INDE	8	28	2	FOBS=	71.7	SIGMA=	35.6	PHAS=	262.4	FOM=	0.12
INDE	8	28	3	FOBS=	68.3	SIGMA=	8.0	PHAS=	149.4	FOM=	0.17
INDE	8	29	0	FOBS=	148.9	SIGMA=	3.2	PHAS=	26.6	FOM=	0.62
INDE	8	29	1	FOBS=	81.3	SIGMA=	6.0	PHAS=	280.1	FOM=	0.10
INDE	8	29	2	FOBS=	108.5	SIGMA=	6.0	PHAS=	243.8	FOM=	0.03
INDE	9	0	0	FOBS=	42.8	SIGMA=	14.8	PHAS=	180.0	FOM=	0.10
INDE	9	0	1	FOBS=	66.2	SIGMA=	10.2	PHAS=	0.0	FOM=	0.13
INDE	9	0	2	FOBS=	269.5	SIGMA=	3.2	PHAS=	180.0	FOM=	1.00
INDE	9	0	3	FOBS=	146.0	SIGMA=	10.3	PHAS=	0.0	FOM=	0.00
INDE	9	0	4	FOBS=	261.0	SIGMA=	6.7	PHAS=	0.0	FOM=	0.95
INDE	9	0	5	FOBS=	622.8	SIGMA=	3.0	PHAS=	180.0	FOM=	1.00
INDE	9	0	6	FOBS=	154.5	SIGMA=	7.4	PHAS=	0.0	FOM=	0.40
INDE	9	0	7	FOBS=	235.8	SIGMA=	5.4	PHAS=	0.0	FOM=	0.21
INDE	9	0	8	FOBS=	154.6	SIGMA=	30.6	PHAS=	180.0	FOM=	0.01
INDE	9	0	9	FOBS=	182.9	SIGMA=	9.5	PHAS=	180.0	FOM=	0.04
INDE	9	10	0	FOBS=	118.3	SIGMA=	21.7	PHAS=	180.0	FOM=	0.00
INDE	9	11	0	FOBS=	53.0	SIGMA=	36.3	PHAS=	0.0	FOM=	0.13
INDE	9	12	0	FOBS=	104.1	SIGMA=	13.7	PHAS=	180.0	FOM=	0.04
INDE	9	1	0	FOBS=	302.7	SIGMA=	1.8	PHAS=	225.2	FOM=	0.96
INDE	9	1	1	FOBS=	214.6	SIGMA=	2.5	PHAS=	138.8	FOM=	0.96
INDE	9	1	2	FOBS=	110.3	SIGMA=	5.6	PHAS=	289.1	FOM=	0.26
INDE	9	1	3	FOBS=	254.4	SIGMA=	2.8	PHAS=	100.7	FOM=	0.83
INDE	9	1	4	FOBS=	252.1	SIGMA=	4.0	PHAS=	199.7	FOM=	0.48
INDE	9	1	5	FOBS=	155.2	SIGMA=	5.3	PHAS=	131.4	FOM=	0.17
INDE	9	1	6	FOBS=	79.6	SIGMA=	9.5	PHAS=	34.7	FOM=	0.05
INDE	9	1	7	FOBS=	84.1	SIGMA=	11.1	PHAS=	40.9	FOM=	0.04
INDE	9	1	8	FOBS=	158.1	SIGMA=	7.6	PHAS=	274.1	FOM=	0.27
INDE	9	1	9	FOBS=	114.3	SIGMA=	10.5	PHAS=	119.3	FOM=	0.09
INDE	9	1	10	FOBS=	86.7	SIGMA=	13.0	PHAS=	5.5	FOM=	0.12
INDE	9	1	11	FOBS=	85.3	SIGMA=	14.1	PHAS=	212.4	FOM=	0.09
INDE	9	1	12	FOBS=	91.8	SIGMA=	57.4	PHAS=	201.6	FOM=	0.02
INDE	9	2	0	FOBS=	201.6	SIGMA=	2.5	PHAS=	264.2	FOM=	0.94
INDE	9	2	1	FOBS=	105.6	SIGMA=	5.2	PHAS=	115.9	FOM=	0.59
INDE	9	2	2	FOBS=	422.9	SIGMA=	2.1	PHAS=	349.2	FOM=	0.91
INDE	9	2	3	FOBS=	423.1	SIGMA=	1.8	PHAS=	275.8	FOM=	0.75
INDE	9	2	4	FOBS=	178.5	SIGMA=	4.1	PHAS=	239.2	FOM=	0.41
INDE	9	2	5	FOBS=	67.9	SIGMA=	13.1	PHAS=	185.7	FOM=	0.08
INDE	9	2	6	FOBS=	214.6	SIGMA=	4.1	PHAS=	13.0	FOM=	0.75
INDE	9	2	7	FOBS=	376.1	SIGMA=	3.5	PHAS=	278.3	FOM=	0.87
INDE	9	2	8	FOBS=	97.1	SIGMA=	13.0	PHAS=	133.3	FOM=	0.05
INDE	9	2	9	FOBS=	118.0	SIGMA=	8.2	PHAS=	126.8	FOM=	0.30
INDE	9	2	10	FOBS=	113.7	SIGMA=	9.0	PHAS=	275.2	FOM=	0.12
INDE	9	2	11	FOBS=	86.1	SIGMA=	11.1	PHAS=	171.7	FOM=	0.08
INDE	9	2	12	FOBS=	61.3	SIGMA=	23.7	PHAS=	11.5	FOM=	0.01
INDE	9	3	0	FOBS=	166.3	SIGMA=	3.1	PHAS=	162.7	FOM=	0.81
INDE	9	3	1	FOBS=	164.3	SIGMA=	3.9	PHAS=	267.7	FOM=	0.59
INDE	9	3	2	FOBS=	137.8	SIGMA=	4.5	PHAS=	149.4	FOM=	0.74
INDE	9	3	3	FOBS=	195.8	SIGMA=	3.2	PHAS=	221.7	FOM=	0.62
INDE	9	3	4	FOBS=	189.5	SIGMA=	3.7	PHAS=	44.8	FOM=	0.20
INDE	9	3	5	FOBS=	224.8	SIGMA=	3.9	PHAS=	36.1	FOM=	0.54
INDE	9	3	6	FOBS=	220.8	SIGMA=	4.5	PHAS=	267.0	FOM=	0.86
INDE	9	3	7	FOBS=	93.0	SIGMA=	11.5	PHAS=	163.1	FOM=	0.12
INDE	9	3	8	FOBS=	108.1	SIGMA=	8.7	PHAS=	162.3	FOM=	0.01
INDE	9	3	9	FOBS=	155.3	SIGMA=	6.2	PHAS=	337.7	FOM=	0.12

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INDE	9	3	10	FOBS=	161.8	SIGMA=	6.0	PHAS=	101.9	FOM=	0.07
INDE	9	3	11	FOBS=	65.9	SIGMA=	14.1	PHAS=	226.2	FOM=	0.03
INDE	9	3	12	FOBS=	84.2	SIGMA=	11.7	PHAS=	202.4	FOM=	0.01
INDE	9	4	0	FOBS=	205.0	SIGMA=	2.9	PHAS=	196.5	FOM=	0.88
INDE	9	4	1	FOBS=	128.1	SIGMA=	4.7	PHAS=	62.7	FOM=	0.36
INDE	9	4	2	FOBS=	418.1	SIGMA=	1.7	PHAS=	305.6	FOM=	0.95
INDE	9	4	4	FOBS=	392.1	SIGMA=	2.1	PHAS=	253.7	FOM=	0.96
INDE	9	4	5	FOBS=	176.9	SIGMA=	4.9	PHAS=	17.4	FOM=	0.14
INDE	9	4	6	FOBS=	85.6	SIGMA=	10.4	PHAS=	135.7	FOM=	0.24
INDE	9	4	8	FOBS=	65.5	SIGMA=	41.2	PHAS=	223.7	FOM=	0.06
INDE	9	4	9	FOBS=	212.5	SIGMA=	4.5	PHAS=	55.9	FOM=	0.37
INDE	9	4	10	FOBS=	123.2	SIGMA=	7.6	PHAS=	292.9	FOM=	0.08
INDE	9	4	11	FOBS=	73.0	SIGMA=	16.5	PHAS=	194.5	FOM=	0.22
INDE	9	4	12	FOBS=	90.3	SIGMA=	10.9	PHAS=	348.1	FOM=	0.07
INDE	9	5	0	FOBS=	223.6	SIGMA=	2.9	PHAS=	265.7	FOM=	0.96
INDE	9	5	1	FOBS=	183.3	SIGMA=	3.0	PHAS=	323.1	FOM=	0.85
INDE	9	5	2	FOBS=	80.3	SIGMA=	7.0	PHAS=	72.0	FOM=	0.69
INDE	9	5	3	FOBS=	249.2	SIGMA=	2.6	PHAS=	146.9	FOM=	0.93
INDE	9	5	4	FOBS=	199.6	SIGMA=	4.0	PHAS=	66.2	FOM=	0.32
INDE	9	5	5	FOBS=	297.0	SIGMA=	2.6	PHAS=	138.4	FOM=	0.93
INDE	9	5	6	FOBS=	89.3	SIGMA=	10.6	PHAS=	308.4	FOM=	0.20
INDE	9	5	8	FOBS=	81.2	SIGMA=	14.8	PHAS=	89.3	FOM=	0.15
INDE	9	5	9	FOBS=	94.4	SIGMA=	10.1	PHAS=	302.7	FOM=	0.06
INDE	9	5	10	FOBS=	73.4	SIGMA=	13.2	PHAS=	177.9	FOM=	0.06
INDE	9	5	11	FOBS=	56.3	SIGMA=	15.8	PHAS=	10.5	FOM=	0.13
INDE	9	6	0	FOBS=	170.1	SIGMA=	3.3	PHAS=	213.9	FOM=	0.85
INDE	9	6	1	FOBS=	170.7	SIGMA=	3.2	PHAS=	153.5	FOM=	0.33
INDE	9	6	2	FOBS=	292.9	SIGMA=	2.1	PHAS=	237.0	FOM=	0.96
INDE	9	6	3	FOBS=	184.6	SIGMA=	4.2	PHAS=	123.0	FOM=	0.40
INDE	9	6	4	FOBS=	219.3	SIGMA=	3.3	PHAS=	79.2	FOM=	0.49
INDE	9	6	5	FOBS=	57.4	SIGMA=	14.5	PHAS=	294.5	FOM=	0.01
INDE	9	6	6	FOBS=	337.7	SIGMA=	2.5	PHAS=	36.8	FOM=	0.82
INDE	9	6	7	FOBS=	156.0	SIGMA=	6.6	PHAS=	92.5	FOM=	0.71
INDE	9	6	8	FOBS=	70.2	SIGMA=	47.8	PHAS=	223.9	FOM=	0.08
INDE	9	6	9	FOBS=	48.9	SIGMA=	17.4	PHAS=	322.8	FOM=	0.15
INDE	9	6	10	FOBS=	46.7	SIGMA=	17.3	PHAS=	84.5	FOM=	0.13
INDE	9	6	11	FOBS=	55.5	SIGMA=	30.1	PHAS=	192.1	FOM=	0.40
INDE	9	6	12	FOBS=	63.3	SIGMA=	16.5	PHAS=	18.7	FOM=	0.05
INDE	9	7	0	FOBS=	54.9	SIGMA=	9.0	PHAS=	121.4	FOM=	0.13
INDE	9	7	1	FOBS=	189.2	SIGMA=	3.0	PHAS=	39.9	FOM=	0.77
INDE	9	7	2	FOBS=	77.2	SIGMA=	9.4	PHAS=	149.0	FOM=	0.15
INDE	9	7	3	FOBS=	92.3	SIGMA=	7.1	PHAS=	165.3	FOM=	0.21
INDE	9	7	4	FOBS=	288.9	SIGMA=	2.7	PHAS=	12.1	FOM=	0.92
INDE	9	7	5	FOBS=	289.9	SIGMA=	2.6	PHAS=	323.0	FOM=	0.52
INDE	9	7	6	FOBS=	129.0	SIGMA=	6.5	PHAS=	69.8	FOM=	0.03
INDE	9	7	7	FOBS=	96.1	SIGMA=	12.7	PHAS=	138.3	FOM=	0.14
INDE	9	7	9	FOBS=	171.0	SIGMA=	6.1	PHAS=	281.1	FOM=	0.40
INDE	9	7	10	FOBS=	62.4	SIGMA=	16.7	PHAS=	149.5	FOM=	0.27
INDE	9	7	11	FOBS=	66.6	SIGMA=	15.4	PHAS=	349.6	FOM=	0.10
INDE	9	7	12	FOBS=	73.7	SIGMA=	13.7	PHAS=	286.2	FOM=	0.01
INDE	9	8	0	FOBS=	60.3	SIGMA=	8.6	PHAS=	275.1	FOM=	0.09
INDE	9	8	1	FOBS=	303.6	SIGMA=	2.0	PHAS=	102.2	FOM=	0.92
INDE	9	8	2	FOBS=	65.2	SIGMA=	10.0	PHAS=	125.9	FOM=	0.14
INDE	9	8	3	FOBS=	188.8	SIGMA=	3.4	PHAS=	9.8	FOM=	0.44
INDE	9	8	4	FOBS=	238.4	SIGMA=	2.9	PHAS=	26.2	FOM=	0.83
INDE	9	8	5	FOBS=	299.6	SIGMA=	2.8	PHAS=	233.3	FOM=	0.86
INDE	9	8	7	FOBS=	165.0	SIGMA=	5.3	PHAS=	126.6	FOM=	0.38
INDE	9	8	8	FOBS=	60.6	SIGMA=	31.5	PHAS=	259.8	FOM=	0.12
INDE	9	8	9	FOBS=	122.7	SIGMA=	7.4	PHAS=	141.1	FOM=	0.09
INDE	9	8	10	FOBS=	115.1	SIGMA=	8.4	PHAS=	91.0	FOM=	0.10
INDE	9	8	11	FOBS=	87.8	SIGMA=	10.8	PHAS=	359.6	FOM=	0.06
INDE	9	8	12	FOBS=	123.7	SIGMA=	7.4	PHAS=	217.5	FOM=	0.26
INDE	9	9	1	FOBS=	113.7	SIGMA=	5.6	PHAS=	41.3	FOM=	0.13
INDE	9	9	2	FOBS=	226.2	SIGMA=	2.7	PHAS=	168.7	FOM=	0.69
INDE	9	9	3	FOBS=	167.3	SIGMA=	4.0	PHAS=	92.2	FOM=	0.07
INDE	9	9	4	FOBS=	187.1	SIGMA=	3.8	PHAS=	37.4	FOM=	0.38
INDE	9	9	5	FOBS=	122.5	SIGMA=	6.4	PHAS=	167.3	FOM=	0.38
INDE	9	9	6	FOBS=	127.6	SIGMA=	6.5	PHAS=	99.6	FOM=	0.45
INDE	9	9	7	FOBS=	163.9	SIGMA=	5.2	PHAS=	329.8	FOM=	0.11
INDE	9	9	8	FOBS=	68.3	SIGMA=	49.9	PHAS=	199.2	FOM=	0.12
INDE	9	9	9	FOBS=	129.1	SIGMA=	6.7	PHAS=	356.3	FOM=	0.18

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INDE	9	9	10	FOBS=	103.5	SIGMA=	8.6	PHAS=	227.8	FOM=	0.04
INDE	9	9	11	FOBS=	110.1	SIGMA=	66.8	PHAS=	314.7	FOM=	0.02
INDE	9	9	12	FOBS=	156.0	SIGMA=	87.0	PHAS=	119.0	FOM=	0.00
INDE	9	10	0	FOBS=	125.9	SIGMA=	4.8	PHAS=	168.8	FOM=	0.63
INDE	9	10	1	FOBS=	70.5	SIGMA=	7.2	PHAS=	235.7	FOM=	0.26
INDE	9	10	2	FOBS=	270.9	SIGMA=	2.3	PHAS=	148.1	FOM=	0.92
INDE	9	10	3	FOBS=	101.1	SIGMA=	6.5	PHAS=	329.2	FOM=	0.41
INDE	9	10	4	FOBS=	120.8	SIGMA=	5.7	PHAS=	178.2	FOM=	0.37
INDE	9	10	6	FOBS=	133.1	SIGMA=	6.4	PHAS=	12.4	FOM=	0.17
INDE	9	10	7	FOBS=	165.0	SIGMA=	5.3	PHAS=	232.5	FOM=	0.09
INDE	9	10	8	FOBS=	83.5	SIGMA=	10.3	PHAS=	312.1	FOM=	0.04
INDE	9	10	9	FOBS=	66.8	SIGMA=	14.5	PHAS=	88.3	FOM=	0.08
INDE	9	10	10	FOBS=	59.8	SIGMA=	29.8	PHAS=	232.8	FOM=	0.10
INDE	9	10	11	FOBS=	71.8	SIGMA=	15.7	PHAS=	335.8	FOM=	0.03
INDE	9	11	0	FOBS=	439.6	SIGMA=	1.6	PHAS=	259.5	FOM=	0.89
INDE	9	11	1	FOBS=	124.5	SIGMA=	4.7	PHAS=	169.7	FOM=	0.34
INDE	9	11	2	FOBS=	145.7	SIGMA=	4.4	PHAS=	323.6	FOM=	0.46
INDE	9	11	3	FOBS=	135.9	SIGMA=	4.9	PHAS=	65.7	FOM=	0.11
INDE	9	11	4	FOBS=	285.7	SIGMA=	2.5	PHAS=	260.4	FOM=	0.84
INDE	9	11	5	FOBS=	210.0	SIGMA=	3.8	PHAS=	312.7	FOM=	0.72
INDE	9	11	7	FOBS=	48.2	SIGMA=	15.8	PHAS=	39.4	FOM=	0.08
INDE	9	11	8	FOBS=	136.8	SIGMA=	6.0	PHAS=	83.4	FOM=	0.15
INDE	9	11	9	FOBS=	58.0	SIGMA=	14.2	PHAS=	219.4	FOM=	0.15
INDE	9	11	10	FOBS=	57.8	SIGMA=	27.6	PHAS=	34.5	FOM=	0.08
INDE	9	11	11	FOBS=	88.4	SIGMA=	10.5	PHAS=	75.4	FOM=	0.07
INDE	9	12	0	FOBS=	68.1	SIGMA=	14.7	PHAS=	261.4	FOM=	0.02
INDE	9	12	1	FOBS=	221.4	SIGMA=	2.4	PHAS=	1.9	FOM=	0.93
INDE	9	12	2	FOBS=	108.4	SIGMA=	5.3	PHAS=	146.2	FOM=	0.23
INDE	9	12	3	FOBS=	120.7	SIGMA=	5.1	PHAS=	263.3	FOM=	0.17
INDE	9	12	4	FOBS=	151.3	SIGMA=	4.5	PHAS=	155.3	FOM=	0.22
INDE	9	12	5	FOBS=	105.1	SIGMA=	6.8	PHAS=	183.6	FOM=	0.07
INDE	9	12	6	FOBS=	189.9	SIGMA=	4.6	PHAS=	77.9	FOM=	0.62
INDE	9	12	7	FOBS=	195.6	SIGMA=	4.2	PHAS=	104.5	FOM=	0.59
INDE	9	12	8	FOBS=	118.1	SIGMA=	6.8	PHAS=	284.4	FOM=	0.11
INDE	9	12	9	FOBS=	45.7	SIGMA=	16.7	PHAS=	278.6	FOM=	0.06
INDE	9	12	10	FOBS=	102.1	SIGMA=	9.4	PHAS=	128.2	FOM=	0.22
INDE	9	12	11	FOBS=	66.9	SIGMA=	13.4	PHAS=	272.5	FOM=	0.73
INDE	9	13	0	FOBS=	78.2	SIGMA=	49.9	PHAS=	228.5	FOM=	0.04
INDE	9	13	1	FOBS=	143.0	SIGMA=	3.8	PHAS=	74.6	FOM=	0.47
INDE	9	13	2	FOBS=	175.3	SIGMA=	3.2	PHAS=	219.9	FOM=	0.47
INDE	9	13	3	FOBS=	53.7	SIGMA=	12.5	PHAS=	173.0	FOM=	0.06
INDE	9	13	4	FOBS=	139.9	SIGMA=	5.0	PHAS=	338.7	FOM=	0.68
INDE	9	13	5	FOBS=	208.4	SIGMA=	3.7	PHAS=	356.8	FOM=	0.68
INDE	9	13	6	FOBS=	127.4	SIGMA=	6.2	PHAS=	300.0	FOM=	0.29
INDE	9	13	7	FOBS=	73.9	SIGMA=	11.3	PHAS=	83.3	FOM=	0.11
INDE	9	13	8	FOBS=	95.1	SIGMA=	9.6	PHAS=	322.8	FOM=	0.07
INDE	9	13	9	FOBS=	77.0	SIGMA=	11.4	PHAS=	271.2	FOM=	0.05
INDE	9	13	10	FOBS=	96.1	SIGMA=	8.4	PHAS=	76.4	FOM=	0.03
INDE	9	14	0	FOBS=	44.4	SIGMA=	13.7	PHAS=	158.8	FOM=	0.04
INDE	9	14	1	FOBS=	165.5	SIGMA=	3.7	PHAS=	172.2	FOM=	0.57
INDE	9	14	2	FOBS=	154.9	SIGMA=	4.2	PHAS=	226.6	FOM=	0.67
INDE	9	14	3	FOBS=	165.2	SIGMA=	4.3	PHAS=	350.5	FOM=	0.11
INDE	9	14	4	FOBS=	40.7	SIGMA=	20.0	PHAS=	119.7	FOM=	0.15
INDE	9	14	5	FOBS=	85.4	SIGMA=	9.0	PHAS=	39.6	FOM=	0.19
INDE	9	14	6	FOBS=	222.8	SIGMA=	3.7	PHAS=	154.6	FOM=	0.50
INDE	9	14	7	FOBS=	95.0	SIGMA=	8.5	PHAS=	41.8	FOM=	0.19
INDE	9	14	8	FOBS=	57.6	SIGMA=	21.7	PHAS=	255.9	FOM=	0.01
INDE	9	14	9	FOBS=	61.6	SIGMA=	15.7	PHAS=	288.8	FOM=	0.10
INDE	9	15	0	FOBS=	116.4	SIGMA=	4.8	PHAS=	129.7	FOM=	0.71
INDE	9	15	1	FOBS=	496.5	SIGMA=	1.7	PHAS=	307.8	FOM=	0.95
INDE	9	15	2	FOBS=	157.6	SIGMA=	4.2	PHAS=	115.3	FOM=	0.81
INDE	9	15	3	FOBS=	158.7	SIGMA=	4.5	PHAS=	350.5	FOM=	0.82
INDE	9	15	4	FOBS=	219.7	SIGMA=	3.3	PHAS=	207.6	FOM=	0.60
INDE	9	15	5	FOBS=	94.0	SIGMA=	8.0	PHAS=	206.5	FOM=	0.05
INDE	9	15	6	FOBS=	152.1	SIGMA=	5.1	PHAS=	356.5	FOM=	0.18
INDE	9	15	7	FOBS=	88.8	SIGMA=	9.7	PHAS=	262.1	FOM=	0.09
INDE	9	15	8	FOBS=	70.2	SIGMA=	12.8	PHAS=	333.6	FOM=	0.09
INDE	9	16	0	FOBS=	86.7	SIGMA=	6.6	PHAS=	350.1	FOM=	0.05
INDE	9	16	1	FOBS=	157.5	SIGMA=	4.4	PHAS=	260.7	FOM=	0.51
INDE	9	16	2	FOBS=	160.7	SIGMA=	4.2	PHAS=	123.8	FOM=	0.56
INDE	9	16	3	FOBS=	54.1	SIGMA=	16.3	PHAS=	324.2	FOM=	0.10

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INDE	9	16	4	FOBS=	85.5	SIGMA=	8.7	PHAS=	145.6	FOM=	0.13
INDE	9	16	5	FOBS=	135.6	SIGMA=	5.5	PHAS=	313.3	FOM=	0.10
INDE	9	16	6	FOBS=	42.4	SIGMA=	17.5	PHAS=	265.2	FOM=	0.07
INDE	9	16	7	FOBS=	78.3	SIGMA=	62.3	PHAS=	63.9	FOM=	0.12
INDE	9	16	8	FOBS=	59.7	SIGMA=	13.4	PHAS=	254.3	FOM=	0.19
INDE	9	16	10	FOBS=	73.0	SIGMA=	10.8	PHAS=	88.5	FOM=	0.03
INDE	9	17	10	FOBS=	278.9	SIGMA=	2.2	PHAS=	232.8	FOM=	0.95
INDE	9	17	1	FOBS=	268.0	SIGMA=	2.5	PHAS=	17.2	FOM=	0.95
INDE	9	17	2	FOBS=	199.7	SIGMA=	3.7	PHAS=	217.2	FOM=	0.62
INDE	9	17	3	FOBS=	416.7	SIGMA=	2.1	PHAS=	83.3	FOM=	0.92
INDE	9	17	4	FOBS=	138.5	SIGMA=	5.3	PHAS=	264.1	FOM=	0.57
INDE	9	17	5	FOBS=	58.7	SIGMA=	13.5	PHAS=	165.9	FOM=	0.05
INDE	9	17	6	FOBS=	97.1	SIGMA=	8.6	PHAS=	102.6	FOM=	0.23
INDE	9	17	7	FOBS=	115.0	SIGMA=	6.6	PHAS=	260.4	FOM=	0.30
INDE	9	17	8	FOBS=	86.1	SIGMA=	8.6	PHAS=	127.0	FOM=	0.17
INDE	9	17	9	FOBS=	47.6	SIGMA=	22.4	PHAS=	357.7	FOM=	0.06
INDE	9	17	10	FOBS=	79.3	SIGMA=	39.0	PHAS=	194.3	FOM=	0.08
INDE	9	18	0	FOBS=	108.2	SIGMA=	5.6	PHAS=	344.0	FOM=	0.61
INDE	9	18	1	FOBS=	92.0	SIGMA=	6.6	PHAS=	348.0	FOM=	0.22
INDE	9	18	2	FOBS=	271.4	SIGMA=	2.4	PHAS=	107.4	FOM=	0.84
INDE	9	18	3	FOBS=	68.8	SIGMA=	10.4	PHAS=	336.0	FOM=	0.21
INDE	9	18	4	FOBS=	184.3	SIGMA=	4.2	PHAS=	171.5	FOM=	0.84
INDE	9	18	5	FOBS=	88.1	SIGMA=	10.1	PHAS=	287.0	FOM=	0.05
INDE	9	18	6	FOBS=	103.4	SIGMA=	7.2	PHAS=	213.8	FOM=	0.17
INDE	9	18	7	FOBS=	101.5	SIGMA=	7.2	PHAS=	131.4	FOM=	0.23
INDE	9	18	8	FOBS=	69.7	SIGMA=	10.5	PHAS=	0.9	FOM=	0.11
INDE	9	18	9	FOBS=	129.7	SIGMA=	5.7	PHAS=	125.3	FOM=	0.16
INDE	9	19	0	FOBS=	159.9	SIGMA=	3.6	PHAS=	322.4	FOM=	0.37
INDE	9	19	1	FOBS=	50.6	SIGMA=	24.4	PHAS=	90.1	FOM=	0.17
INDE	9	19	2	FOBS=	90.5	SIGMA=	6.8	PHAS=	341.0	FOM=	0.16
INDE	9	19	3	FOBS=	233.7	SIGMA=	2.8	PHAS=	353.0	FOM=	0.71
INDE	9	19	4	FOBS=	188.4	SIGMA=	4.3	PHAS=	76.4	FOM=	0.21
INDE	9	19	5	FOBS=	114.6	SIGMA=	7.0	PHAS=	236.1	FOM=	0.50
INDE	9	19	6	FOBS=	121.9	SIGMA=	6.1	PHAS=	107.1	FOM=	0.47
INDE	9	19	7	FOBS=	78.4	SIGMA=	9.3	PHAS=	332.1	FOM=	0.19
INDE	9	19	8	FOBS=	68.0	SIGMA=	12.4	PHAS=	207.5	FOM=	0.03
INDE	9	19	9	FOBS=	91.0	SIGMA=	8.5	PHAS=	93.2	FOM=	0.02
INDE	9	20	0	FOBS=	91.7	SIGMA=	6.6	PHAS=	303.3	FOM=	0.24
INDE	9	20	1	FOBS=	206.6	SIGMA=	2.9	PHAS=	125.2	FOM=	0.62
INDE	9	20	2	FOBS=	279.3	SIGMA=	2.3	PHAS=	260.9	FOM=	0.47
INDE	9	20	3	FOBS=	121.7	SIGMA=	6.0	PHAS=	18.2	FOM=	0.49
INDE	9	20	4	FOBS=	212.1	SIGMA=	3.5	PHAS=	136.5	FOM=	0.80
INDE	9	20	5	FOBS=	213.4	SIGMA=	3.8	PHAS=	7.3	FOM=	0.67
INDE	9	20	6	FOBS=	61.7	SIGMA=	11.9	PHAS=	49.2	FOM=	0.11
INDE	9	20	7	FOBS=	63.5	SIGMA=	36.2	PHAS=	223.3	FOM=	0.16
INDE	9	20	8	FOBS=	62.1	SIGMA=	13.7	PHAS=	39.3	FOM=	0.07
INDE	9	21	0	FOBS=	252.0	SIGMA=	2.3	PHAS=	137.4	FOM=	0.92
INDE	9	21	1	FOBS=	104.6	SIGMA=	5.7	PHAS=	161.0	FOM=	0.51
INDE	9	21	2	FOBS=	85.8	SIGMA=	7.9	PHAS=	269.9	FOM=	0.24
INDE	9	21	3	FOBS=	167.6	SIGMA=	4.5	PHAS=	320.8	FOM=	0.22
INDE	9	21	4	FOBS=	102.8	SIGMA=	6.4	PHAS=	84.1	FOM=	0.33
INDE	9	21	5	FOBS=	125.6	SIGMA=	5.4	PHAS=	268.6	FOM=	0.28
INDE	9	21	6	FOBS=	121.7	SIGMA=	5.6	PHAS=	177.6	FOM=	0.01
INDE	9	21	7	FOBS=	103.8	SIGMA=	6.8	PHAS=	181.4	FOM=	0.05
INDE	9	21	8	FOBS=	66.5	SIGMA=	42.5	PHAS=	24.5	FOM=	0.06
INDE	9	22	0	FOBS=	259.8	SIGMA=	2.3	PHAS=	322.9	FOM=	0.82
INDE	9	22	1	FOBS=	123.6	SIGMA=	4.8	PHAS=	318.2	FOM=	0.10
INDE	9	22	2	FOBS=	81.2	SIGMA=	8.6	PHAS=	253.7	FOM=	0.19
INDE	9	22	3	FOBS=	121.4	SIGMA=	142.3	PHAS=	99.0	FOM=	0.12
INDE	9	22	4	FOBS=	89.6	SIGMA=	7.1	PHAS=	116.9	FOM=	0.10
INDE	9	22	5	FOBS=	59.2	SIGMA=	11.5	PHAS=	334.4	FOM=	0.29
INDE	9	22	6	FOBS=	65.6	SIGMA=	11.2	PHAS=	122.9	FOM=	0.06
INDE	9	22	7	FOBS=	85.5	SIGMA=	8.0	PHAS=	327.2	FOM=	0.08
INDE	9	23	0	FOBS=	114.3	SIGMA=	5.2	PHAS=	0.7	FOM=	0.79
INDE	9	23	1	FOBS=	53.7	SIGMA=	12.9	PHAS=	117.7	FOM=	0.09
INDE	9	23	2	FOBS=	321.0	SIGMA=	2.0	PHAS=	154.6	FOM=	0.96
INDE	9	23	3	FOBS=	116.0	SIGMA=	5.3	PHAS=	354.1	FOM=	0.36
INDE	9	23	4	FOBS=	44.7	SIGMA=	29.0	PHAS=	213.4	FOM=	0.08
INDE	9	23	5	FOBS=	144.1	SIGMA=	4.6	PHAS=	16.9	FOM=	0.11
INDE	9	23	6	FOBS=	64.5	SIGMA=	26.7	PHAS=	117.9	FOM=	0.05
INDE	9	23	7	FOBS=	39.9	SIGMA=	16.8	PHAS=	264.3	FOM=	0.08

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INDE	9	24	0	FOBS=	62.2	SIGMA=	9.6	PHAS=	106.9	FOM=	0.13
INDE	9	24	1	FOBS=	116.5	SIGMA=	5.4	PHAS=	238.3	FOM=	0.52
INDE	9	24	2	FOBS=	92.5	SIGMA=	6.2	PHAS=	70.2	FOM=	0.22
INDE	9	24	3	FOBS=	92.4	SIGMA=	6.4	PHAS=	3.2	FOM=	0.16
INDE	9	24	4	FOBS=	46.9	SIGMA=	23.1	PHAS=	163.6	FOM=	0.09
INDE	9	24	5	FOBS=	77.0	SIGMA=	8.3	PHAS=	56.2	FOM=	0.12
INDE	9	24	6	FOBS=	92.9	SIGMA=	7.0	PHAS=	103.4	FOM=	0.05
INDE	9	25	0	FOBS=	183.4	SIGMA=	3.2	PHAS=	58.0	FOM=	0.81
INDE	9	25	1	FOBS=	168.4	SIGMA=	3.2	PHAS=	228.5	FOM=	0.54
INDE	9	25	2	FOBS=	178.3	SIGMA=	3.2	PHAS=	255.4	FOM=	0.70
INDE	9	25	3	FOBS=	69.3	SIGMA=	8.5	PHAS=	141.9	FOM=	0.08
INDE	9	25	4	FOBS=	121.3	SIGMA=	5.0	PHAS=	196.4	FOM=	0.19
INDE	9	25	5	FOBS=	44.1	SIGMA=	25.2	PHAS=	354.6	FOM=	0.08
INDE	9	26	0	FOBS=	64.1	SIGMA=	7.7	PHAS=	20.6	FOM=	0.39
INDE	9	26	1	FOBS=	117.4	SIGMA=	7.1	PHAS=	304.5	FOM=	0.03
INDE	9	26	2	FOBS=	125.6	SIGMA=	4.4	PHAS=	329.7	FOM=	0.09
INDE	9	26	3	FOBS=	84.2	SIGMA=	6.9	PHAS=	125.7	FOM=	0.09
INDE	9	26	4	FOBS=	63.5	SIGMA=	9.7	PHAS=	349.6	FOM=	0.11
INDE	9	27	0	FOBS=	129.8	SIGMA=	3.9	PHAS=	63.5	FOM=	0.51
INDE	9	27	1	FOBS=	133.8	SIGMA=	3.9	PHAS=	226.1	FOM=	0.08
INDE	9	27	2	FOBS=	83.8	SIGMA=	5.1	PHAS=	347.4	FOM=	0.01
INDE	9	27	3	FOBS=	80.4	SIGMA=	6.8	PHAS=	101.9	FOM=	0.02
INDE	9	28	0	FOBS=	70.5	SIGMA=	6.9	PHAS=	332.3	FOM=	0.13
INDE	9	28	1	FOBS=	48.9	SIGMA=	19.6	PHAS=	168.4	FOM=	0.12
INDE	9	28	2	FOBS=	77.7	SIGMA=	12.6	PHAS=	85.3	FOM=	0.06
INDE	10	0	1	FOBS=	160.1	SIGMA=	5.2	PHAS=	180.0	FOM=	0.04
INDE	10	0	2	FOBS=	202.6	SIGMA=	8.0	PHAS=	0.0	FOM=	0.11
INDE	10	0	3	FOBS=	343.8	SIGMA=	2.9	PHAS=	180.0	FOM=	0.52
INDE	10	0	4	FOBS=	103.3	SIGMA=	12.1	PHAS=	180.0	FOM=	0.12
INDE	10	0	5	FOBS=	67.4	SIGMA=	21.9	PHAS=	0.0	FOM=	0.12
INDE	10	0	6	FOBS=	179.1	SIGMA=	8.3	PHAS=	180.0	FOM=	0.58
INDE	10	0	7	FOBS=	222.9	SIGMA=	5.7	PHAS=	0.0	FOM=	0.12
INDE	10	0	8	FOBS=	46.5	SIGMA=	55.7	PHAS=	0.0	FOM=	0.11
INDE	10	0	9	FOBS=	94.7	SIGMA=	264.0	PHAS=	180.0	FOM=	0.11
INDE	10	0	10	FOBS=	56.3	SIGMA=	43.0	PHAS=	180.0	FOM=	0.02
INDE	10	0	11	FOBS=	71.7	SIGMA=	27.9	PHAS=	0.0	FOM=	0.02
INDE	10	0	12	FOBS=	86.9	SIGMA=	42.3	PHAS=	0.0	FOM=	0.01
INDE	10	1	0	FOBS=	123.8	SIGMA=	4.3	PHAS=	226.8	FOM=	0.79
INDE	10	1	1	FOBS=	428.1	SIGMA=	1.7	PHAS=	48.3	FOM=	0.77
INDE	10	1	2	FOBS=	425.5	SIGMA=	1.7	PHAS=	291.5	FOM=	0.84
INDE	10	1	3	FOBS=	157.4	SIGMA=	5.0	PHAS=	104.8	FOM=	0.32
INDE	10	1	4	FOBS=	251.5	SIGMA=	3.5	PHAS=	355.3	FOM=	0.60
INDE	10	1	5	FOBS=	345.3	SIGMA=	3.0	PHAS=	266.4	FOM=	0.84
INDE	10	1	6	FOBS=	81.1	SIGMA=	12.0	PHAS=	133.5	FOM=	0.09
INDE	10	1	7	FOBS=	143.3	SIGMA=	6.2	PHAS=	359.7	FOM=	0.23
INDE	10	1	8	FOBS=	67.7	SIGMA=	14.4	PHAS=	243.1	FOM=	0.06
INDE	10	1	9	FOBS=	49.0	SIGMA=	21.6	PHAS=	175.8	FOM=	0.08
INDE	10	1	10	FOBS=	57.9	SIGMA=	33.2	PHAS=	25.3	FOM=	0.13
INDE	10	1	11	FOBS=	70.5	SIGMA=	17.7	PHAS=	265.4	FOM=	0.00
INDE	10	1	12	FOBS=	101.5	SIGMA=	53.3	PHAS=	205.1	FOM=	0.01
INDE	10	2	0	FOBS=	79.2	SIGMA=	6.5	PHAS=	39.6	FOM=	0.37
INDE	10	2	1	FOBS=	211.8	SIGMA=	2.8	PHAS=	206.0	FOM=	0.91
INDE	10	2	2	FOBS=	239.4	SIGMA=	3.2	PHAS=	136.3	FOM=	0.93
INDE	10	2	3	FOBS=	306.1	SIGMA=	2.6	PHAS=	32.9	FOM=	0.93
INDE	10	2	4	FOBS=	139.0	SIGMA=	5.6	PHAS=	237.8	FOM=	0.28
INDE	10	2	5	FOBS=	137.5	SIGMA=	6.3	PHAS=	113.8	FOM=	0.29
INDE	10	2	6	FOBS=	106.2	SIGMA=	9.2	PHAS=	310.0	FOM=	0.04
INDE	10	2	7	FOBS=	81.1	SIGMA=	13.3	PHAS=	292.9	FOM=	0.02
INDE	10	2	8	FOBS=	52.8	SIGMA=	19.6	PHAS=	169.2	FOM=	0.03
INDE	10	2	9	FOBS=	150.5	SIGMA=	7.4	PHAS=	130.6	FOM=	0.05
INDE	10	2	10	FOBS=	152.1	SIGMA=	7.3	PHAS=	48.7	FOM=	0.06
INDE	10	3	0	FOBS=	111.7	SIGMA=	70.6	PHAS=	275.4	FOM=	0.03
INDE	10	3	1	FOBS=	352.6	SIGMA=	1.9	PHAS=	236.8	FOM=	0.92
INDE	10	3	2	FOBS=	116.4	SIGMA=	5.1	PHAS=	176.5	FOM=	0.70
INDE	10	3	3	FOBS=	249.4	SIGMA=	3.0	PHAS=	57.0	FOM=	0.47
INDE	10	3	4	FOBS=	156.1	SIGMA=	4.9	PHAS=	279.6	FOM=	0.57
INDE	10	3	5	FOBS=	152.8	SIGMA=	4.7	PHAS=	190.8	FOM=	0.74
INDE	10	3	6	FOBS=	97.4	SIGMA=	8.6	PHAS=	276.5	FOM=	0.03
INDE	10	3	7	FOBS=	82.7	SIGMA=	11.2	PHAS=	317.7	FOM=	0.09
INDE	10	3	8	FOBS=	159.6	SIGMA=	6.8	PHAS=	6.5	FOM=	0.11
INDE	10	3		FOBS=	75.1	SIGMA=	14.5	PHAS=	186.4	FOM=	0.07

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INDE	10	3	9	FOBS=	57.4	SIGMA=	17.9	PHAS=	111.4	FOM=	0.01
INDE	10	3	10	FOBS=	48.5	SIGMA=	23.3	PHAS=	355.7	FOM=	0.14
INDE	10	3	11	FOBS=	999.8	SIGMA=	44.8	PHAS=	204.7	FOM=	0.04
INDE	10	4	0	FOBS=	288.8	SIGMA=	2.1	PHAS=	268.5	FOM=	0.96
INDE	10	4	1	FOBS=	386.5	SIGMA=	2.3	PHAS=	98.7	FOM=	0.97
INDE	10	4	2	FOBS=	199.9	SIGMA=	3.7	PHAS=	166.5	FOM=	0.75
INDE	10	4	3	FOBS=	157.7	SIGMA=	4.3	PHAS=	43.6	FOM=	0.15
INDE	10	4	4	FOBS=	215.3	SIGMA=	3.4	PHAS=	186.9	FOM=	0.60
INDE	10	4	6	FOBS=	179.0	SIGMA=	6.5	PHAS=	43.1	FOM=	0.56
INDE	10	4	7	FOBS=	128.9	SIGMA=	8.8	PHAS=	213.1	FOM=	0.50
INDE	10	4	8	FOBS=	56.2	SIGMA=	22.3	PHAS=	129.2	FOM=	0.00
INDE	10	4	9	FOBS=	196.1	SIGMA=	5.1	PHAS=	98.4	FOM=	0.26
INDE	10	4	10	FOBS=	46.3	SIGMA=	20.4	PHAS=	180.2	FOM=	0.20
INDE	10	5	0	FOBS=	342.6	SIGMA=	2.1	PHAS=	129.9	FOM=	0.93
INDE	10	5	1	FOBS=	125.4	SIGMA=	5.4	PHAS=	43.6	FOM=	0.40
INDE	10	5	2	FOBS=	48.2	SIGMA=	23.9	PHAS=	134.5	FOM=	0.07
INDE	10	5	3	FOBS=	331.6	SIGMA=	2.2	PHAS=	283.8	FOM=	0.92
INDE	10	5	6	FOBS=	122.7	SIGMA=	9.5	PHAS=	227.3	FOM=	0.11
INDE	10	5	7	FOBS=	179.6	SIGMA=	849.6	PHAS=	158.1	FOM=	0.04
INDE	10	5	8	FOBS=	118.7	SIGMA=	7.9	PHAS=	344.9	FOM=	0.21
INDE	10	5	9	FOBS=	85.9	SIGMA=	13.2	PHAS=	130.0	FOM=	0.08
INDE	10	5	10	FOBS=	104.2	SIGMA=	9.0	PHAS=	273.0	FOM=	0.03
INDE	10	5	11	FOBS=	70.6	SIGMA=	14.8	PHAS=	282.8	FOM=	0.05
INDE	10	6	0	FOBS=	222.4	SIGMA=	2.9	PHAS=	153.1	FOM=	0.65
INDE	10	6	1	FOBS=	254.8	SIGMA=	2.7	PHAS=	355.7	FOM=	0.91
INDE	10	6	2	FOBS=	51.1	SIGMA=	11.9	PHAS=	217.4	FOM=	0.23
INDE	10	6	3	FOBS=	193.1	SIGMA=	3.6	PHAS=	42.7	FOM=	0.77
INDE	10	6	4	FOBS=	194.1	SIGMA=	4.1	PHAS=	151.2	FOM=	0.80
INDE	10	6	5	FOBS=	67.6	SIGMA=	42.8	PHAS=	233.4	FOM=	0.11
INDE	10	6	6	FOBS=	71.6	SIGMA=	15.0	PHAS=	46.7	FOM=	0.28
INDE	10	6	7	FOBS=	183.7	SIGMA=	5.4	PHAS=	284.7	FOM=	0.24
INDE	10	6	10	FOBS=	60.6	SIGMA=	31.5	PHAS=	251.6	FOM=	0.19
INDE	10	6	11	FOBS=	57.5	SIGMA=	27.2	PHAS=	93.0	FOM=	0.04
INDE	10	7	0	FOBS=	117.3	SIGMA=	5.3	PHAS=	205.9	FOM=	0.64
INDE	10	7	1	FOBS=	309.0	SIGMA=	2.1	PHAS=	313.1	FOM=	0.82
INDE	10	7	2	FOBS=	155.8	SIGMA=	4.2	PHAS=	156.7	FOM=	0.36
INDE	10	7	3	FOBS=	75.1	SIGMA=	9.6	PHAS=	301.5	FOM=	0.17
INDE	10	7	4	FOBS=	66.4	SIGMA=	15.0	PHAS=	135.3	FOM=	0.25
INDE	10	7	6	FOBS=	52.7	SIGMA=	25.8	PHAS=	340.7	FOM=	0.05
INDE	10	7	7	FOBS=	109.0	SIGMA=	8.8	PHAS=	186.8	FOM=	0.40
INDE	10	7	8	FOBS=	79.9	SIGMA=	65.4	PHAS=	343.4	FOM=	0.15
INDE	10	7	9	FOBS=	47.1	SIGMA=	20.0	PHAS=	218.8	FOM=	0.03
INDE	10	7	10	FOBS=	64.0	SIGMA=	14.0	PHAS=	162.0	FOM=	0.23
INDE	10	7	11	FOBS=	51.9	SIGMA=	24.2	PHAS=	357.3	FOM=	0.02
INDE	10	8	0	FOBS=	310.6	SIGMA=	2.0	PHAS=	165.3	FOM=	0.74
INDE	10	8	1	FOBS=	294.9	SIGMA=	2.1	PHAS=	201.8	FOM=	0.86
INDE	10	8	2	FOBS=	200.3	SIGMA=	3.3	PHAS=	214.4	FOM=	0.86
INDE	10	8	3	FOBS=	100.1	SIGMA=	7.9	PHAS=	126.2	FOM=	0.12
INDE	10	8	4	FOBS=	169.7	SIGMA=	4.7	PHAS=	136.1	FOM=	0.61
INDE	10	8	5	FOBS=	209.1	SIGMA=	4.0	PHAS=	340.5	FOM=	0.93
INDE	10	8	6	FOBS=	147.1	SIGMA=	5.7	PHAS=	320.7	FOM=	0.23
INDE	10	8	7	FOBS=	105.8	SIGMA=	7.9	PHAS=	318.8	FOM=	0.03
INDE	10	8	8	FOBS=	60.0	SIGMA=	19.0	PHAS=	336.6	FOM=	0.08
INDE	10	8	9	FOBS=	107.3	SIGMA=	108.4	PHAS=	151.5	FOM=	0.09
INDE	10	8	10	FOBS=	60.8	SIGMA=	14.6	PHAS=	274.1	FOM=	0.03
INDE	10	8	11	FOBS=	53.7	SIGMA=	23.8	PHAS=	70.9	FOM=	0.07
INDE	10	9	0	FOBS=	192.1	SIGMA=	3.0	PHAS=	75.8	FOM=	0.19
INDE	10	9	1	FOBS=	330.4	SIGMA=	2.2	PHAS=	340.8	FOM=	0.82
INDE	10	9	2	FOBS=	137.7	SIGMA=	5.5	PHAS=	285.0	FOM=	0.34
INDE	10	9	3	FOBS=	214.1	SIGMA=	3.3	PHAS=	339.8	FOM=	0.76
INDE	10	9	4	FOBS=	213.5	SIGMA=	3.6	PHAS=	171.3	FOM=	0.65
INDE	10	9	5	FOBS=	310.3	SIGMA=	2.9	PHAS=	324.4	FOM=	0.84
INDE	10	9	6	FOBS=	111.2	SIGMA=	7.8	PHAS=	124.4	FOM=	0.37
INDE	10	9	7	FOBS=	52.1	SIGMA=	19.2	PHAS=	203.5	FOM=	0.09
INDE	10	9	8	FOBS=	49.5	SIGMA=	22.2	PHAS=	327.5	FOM=	0.19
INDE	10	9	9	FOBS=	107.7	SIGMA=	7.9	PHAS=	155.9	FOM=	0.21
INDE	10	9	10	FOBS=	73.5	SIGMA=	30.6	PHAS=	32.8	FOM=	0.03
INDE	10	10	0	FOBS=	66.3	SIGMA=	21.6	PHAS=	0.5	FOM=	0.04
INDE	10	10	1	FOBS=	193.4	SIGMA=	3.0	PHAS=	45.2	FOM=	0.91
INDE	10	10	2	FOBS=	67.7	SIGMA=	10.6	PHAS=	200.3	FOM=	0.10
INDE	10	10	2	FOBS=	54.5	SIGMA=	12.3	PHAS=	81.8	FOM=	0.20

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INDE	10	10	3	FOBS=	57.1	SIGMA=	12.7	PHAS=	284.4	FOM=	0.14
INDE	10	10	5	FOBS=	246.2	SIGMA=	3.8	PHAS=	79.7	FOM=	0.71
INDE	10	10	6	FOBS=	150.6	SIGMA=	5.6	PHAS=	222.3	FOM=	0.09
INDE	10	10	7	FOBS=	55.0	SIGMA=	17.0	PHAS=	290.3	FOM=	0.13
INDE	10	10	8	FOBS=	53.2	SIGMA=	27.9	PHAS=	32.1	FOM=	0.04
INDE	10	10	9	FOBS=	53.0	SIGMA=	23.9	PHAS=	137.8	FOM=	0.12
INDE	10	10	10	FOBS=	61.0	SIGMA=	16.0	PHAS=	333.1	FOM=	0.05
INDE	10	10	11	FOBS=	71.3	SIGMA=	14.7	PHAS=	297.0	FOM=	0.00
INDE	10	11	0	FOBS=	240.2	SIGMA=	2.5	PHAS=	143.3	FOM=	0.92
INDE	10	11	1	FOBS=	41.4	SIGMA=	19.2	PHAS=	157.9	FOM=	0.21
INDE	10	11	2	FOBS=	92.6	SIGMA=	7.2	PHAS=	264.9	FOM=	0.30
INDE	10	11	3	FOBS=	246.2	SIGMA=	2.9	PHAS=	110.2	FOM=	0.86
INDE	10	11	6	FOBS=	178.7	SIGMA=	4.7	PHAS=	333.6	FOM=	0.08
INDE	10	11	7	FOBS=	54.2	SIGMA=	32.9	PHAS=	263.8	FOM=	0.01
INDE	10	11	9	FOBS=	53.5	SIGMA=	36.0	PHAS=	209.9	FOM=	0.13
INDE	10	11	10	FOBS=	53.9	SIGMA=	16.5	PHAS=	320.3	FOM=	0.04
INDE	10	12	0	FOBS=	169.8	SIGMA=	4.1	PHAS=	150.2	FOM=	0.68
INDE	10	12	1	FOBS=	199.4	SIGMA=	3.2	PHAS=	289.8	FOM=	0.88
INDE	10	12	2	FOBS=	185.0	SIGMA=	3.8	PHAS=	116.0	FOM=	0.09
INDE	10	12	3	FOBS=	174.4	SIGMA=	4.4	PHAS=	297.9	FOM=	0.15
INDE	10	12	4	FOBS=	73.9	SIGMA=	10.3	PHAS=	258.1	FOM=	0.06
INDE	10	12	5	FOBS=	82.2	SIGMA=	9.5	PHAS=	300.4	FOM=	0.07
INDE	10	12	6	FOBS=	93.0	SIGMA=	8.7	PHAS=	125.1	FOM=	0.32
INDE	10	12	7	FOBS=	72.1	SIGMA=	13.0	PHAS=	237.9	FOM=	0.05
INDE	10	12	8	FOBS=	60.9	SIGMA=	40.9	PHAS=	300.0	FOM=	0.03
INDE	10	12	9	FOBS=	46.8	SIGMA=	22.1	PHAS=	19.0	FOM=	0.10
INDE	10	12	10	FOBS=	65.7	SIGMA=	16.9	PHAS=	72.9	FOM=	0.01
INDE	10	13	0	FOBS=	205.3	SIGMA=	2.9	PHAS=	44.4	FOM=	0.54
INDE	10	13	1	FOBS=	60.2	SIGMA=	10.3	PHAS=	259.0	FOM=	0.19
INDE	10	13	2	FOBS=	52.6	SIGMA=	13.3	PHAS=	82.5	FOM=	0.15
INDE	10	13	3	FOBS=	111.9	SIGMA=	6.7	PHAS=	303.0	FOM=	0.09
INDE	10	13	4	FOBS=	59.6	SIGMA=	20.5	PHAS=	271.7	FOM=	0.05
INDE	10	13	5	FOBS=	108.1	SIGMA=	7.1	PHAS=	190.2	FOM=	0.19
INDE	10	13	6	FOBS=	61.7	SIGMA=	13.8	PHAS=	226.3	FOM=	0.03
INDE	10	13	7	FOBS=	123.1	SIGMA=	6.4	PHAS=	273.0	FOM=	0.12
INDE	10	13	8	FOBS=	77.1	SIGMA=	49.2	PHAS=	73.4	FOM=	0.02
INDE	10	13	9	FOBS=	67.0	SIGMA=	14.4	PHAS=	147.7	FOM=	0.02
INDE	10	14	0	FOBS=	258.6	SIGMA=	2.3	PHAS=	96.3	FOM=	0.81
INDE	10	14	1	FOBS=	133.1	SIGMA=	4.9	PHAS=	196.9	FOM=	0.19
INDE	10	14	2	FOBS=	235.0	SIGMA=	3.0	PHAS=	338.0	FOM=	0.79
INDE	10	14	3	FOBS=	72.9	SIGMA=	10.5	PHAS=	143.7	FOM=	0.05
INDE	10	14	4	FOBS=	235.0	SIGMA=	3.2	PHAS=	55.1	FOM=	0.12
INDE	10	14	5	FOBS=	73.8	SIGMA=	11.0	PHAS=	179.1	FOM=	0.05
INDE	10	14	6	FOBS=	66.2	SIGMA=	12.0	PHAS=	9.6	FOM=	0.18
INDE	10	14	7	FOBS=	96.3	SIGMA=	8.0	PHAS=	248.7	FOM=	0.27
INDE	10	14	8	FOBS=	63.3	SIGMA=	13.1	PHAS=	83.6	FOM=	0.17
INDE	10	14	9	FOBS=	61.8	SIGMA=	31.3	PHAS=	359.2	FOM=	0.05
INDE	10	14	10	FOBS=	62.4	SIGMA=	15.6	PHAS=	224.8	FOM=	0.09
INDE	10	15	0	FOBS=	87.5	SIGMA=	6.9	PHAS=	140.8	FOM=	0.02
INDE	10	15	1	FOBS=	342.0	SIGMA=	2.0	PHAS=	336.2	FOM=	0.67
INDE	10	15	2	FOBS=	149.8	SIGMA=	4.7	PHAS=	66.1	FOM=	0.40
INDE	10	15	3	FOBS=	109.0	SIGMA=	6.6	PHAS=	216.2	FOM=	0.33
INDE	10	15	4	FOBS=	60.6	SIGMA=	28.6	PHAS=	83.7	FOM=	0.13
INDE	10	15	5	FOBS=	80.5	SIGMA=	9.3	PHAS=	27.5	FOM=	0.14
INDE	10	15	6	FOBS=	41.0	SIGMA=	18.7	PHAS=	248.3	FOM=	0.19
INDE	10	15	7	FOBS=	118.2	SIGMA=	6.5	PHAS=	176.2	FOM=	0.37
INDE	10	15	8	FOBS=	49.1	SIGMA=	48.9	PHAS=	345.2	FOM=	0.36
INDE	10	15	9	FOBS=	79.8	SIGMA=	10.9	PHAS=	251.9	FOM=	0.03
INDE	10	16	0	FOBS=	260.9	SIGMA=	2.4	PHAS=	335.1	FOM=	0.75
INDE	10	16	1	FOBS=	113.9	SIGMA=	5.8	PHAS=	96.7	FOM=	0.37
INDE	10	16	2	FOBS=	176.6	SIGMA=	3.9	PHAS=	127.9	FOM=	0.86
INDE	10	16	3	FOBS=	123.9	SIGMA=	5.8	PHAS=	188.9	FOM=	0.46
INDE	10	16	4	FOBS=	133.6	SIGMA=	5.5	PHAS=	9.9	FOM=	0.05
INDE	10	16	6	FOBS=	175.3	SIGMA=	4.4	PHAS=	190.1	FOM=	0.51
INDE	10	16	7	FOBS=	68.2	SIGMA=	11.8	PHAS=	21.2	FOM=	0.11
INDE	10	16	8	FOBS=	63.3	SIGMA=	13.6	PHAS=	272.6	FOM=	0.05
INDE	10	16	9	FOBS=	72.0	SIGMA=	10.5	PHAS=	175.1	FOM=	0.02
INDE	10	17	0	FOBS=	308.6	SIGMA=	2.1	PHAS=	296.5	FOM=	0.92
INDE	10	17	1	FOBS=	145.6	SIGMA=	4.6	PHAS=	200.9	FOM=	0.80
INDE	10	17	2	FOBS=	171.4	SIGMA=	4.1	PHAS=	30.7	FOM=	0.50
INDE	10	17	3	FOBS=	101.0	SIGMA=	6.8	PHAS=	65.4	FOM=	0.44

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INDE	10	17	4	FOBS=	49.4	SIGMA=	22.5	PHAS=	213.2	FOM=	0.28
INDE	10	17	5	FOBS=	63.4	SIGMA=	12.2	PHAS=	358.3	FOM=	0.07
INDE	10	17	6	FOBS=	60.9	SIGMA=	20.8	PHAS=	38.1	FOM=	0.12
INDE	10	17	7	FOBS=	70.5	SIGMA=	12.8	PHAS=	180.8	FOM=	0.22
INDE	10	17	8	FOBS=	123.2	SIGMA=	6.2	PHAS=	338.9	FOM=	0.07
INDE	10	17	9	FOBS=	89.5	SIGMA=	9.2	PHAS=	185.6	FOM=	0.04
INDE	10	18	0	FOBS=	132.2	SIGMA=	4.8	PHAS=	230.7	FOM=	0.60
INDE	10	18	1	FOBS=	116.2	SIGMA=	5.7	PHAS=	115.5	FOM=	0.55
INDE	10	18	2	FOBS=	70.2	SIGMA=	48.0	PHAS=	3.3	FOM=	0.19
INDE	10	18	3	FOBS=	135.3	SIGMA=	5.2	PHAS=	145.6	FOM=	0.56
INDE	10	18	4	FOBS=	118.1	SIGMA=	6.0	PHAS=	60.1	FOM=	0.09
INDE	10	18	5	FOBS=	67.9	SIGMA=	10.9	PHAS=	15.6	FOM=	0.03
INDE	10	18	6	FOBS=	88.5	SIGMA=	9.3	PHAS=	197.7	FOM=	0.21
INDE	10	18	7	FOBS=	81.2	SIGMA=	9.0	PHAS=	321.7	FOM=	0.07
INDE	10	18	8	FOBS=	37.7	SIGMA=	17.7	PHAS=	331.8	FOM=	0.04
INDE	10	19	0	FOBS=	111.2	SIGMA=	5.2	PHAS=	150.6	FOM=	0.55
INDE	10	19	1	FOBS=	120.3	SIGMA=	5.3	PHAS=	226.4	FOM=	0.21
INDE	10	19	2	FOBS=	165.8	SIGMA=	4.1	PHAS=	119.8	FOM=	0.33
INDE	10	19	3	FOBS=	203.8	SIGMA=	3.5	PHAS=	100.0	FOM=	0.78
INDE	10	19	5	FOBS=	127.2	SIGMA=	6.3	PHAS=	95.7	FOM=	0.04
INDE	10	19	6	FOBS=	42.9	SIGMA=	30.7	PHAS=	291.9	FOM=	0.01
INDE	10	19	7	FOBS=	54.1	SIGMA=	16.5	PHAS=	262.7	FOM=	0.02
INDE	10	19	8	FOBS=	83.9	SIGMA=	9.5	PHAS=	25.5	FOM=	0.09
INDE	10	20	0	FOBS=	161.2	SIGMA=	3.8	PHAS=	297.7	FOM=	0.60
INDE	10	20	1	FOBS=	104.8	SIGMA=	5.8	PHAS=	224.1	FOM=	0.03
INDE	10	20	2	FOBS=	112.9	SIGMA=	5.7	PHAS=	353.0	FOM=	0.16
INDE	10	20	4	FOBS=	117.7	SIGMA=	132.4	PHAS=	270.4	FOM=	0.12
INDE	10	20	5	FOBS=	78.1	SIGMA=	9.6	PHAS=	64.4	FOM=	0.09
INDE	10	20	6	FOBS=	53.6	SIGMA=	20.1	PHAS=	146.8	FOM=	0.03
INDE	10	20	7	FOBS=	63.6	SIGMA=	12.3	PHAS=	20.5	FOM=	0.02
INDE	10	21	0	FOBS=	183.2	SIGMA=	3.4	PHAS=	65.6	FOM=	0.81
INDE	10	21	1	FOBS=	58.3	SIGMA=	10.8	PHAS=	206.5	FOM=	0.28
INDE	10	21	2	FOBS=	118.8	SIGMA=	5.3	PHAS=	76.0	FOM=	0.47
INDE	10	21	3	FOBS=	97.1	SIGMA=	6.7	PHAS=	91.9	FOM=	0.16
INDE	10	21	4	FOBS=	77.4	SIGMA=	9.5	PHAS=	259.0	FOM=	0.07
INDE	10	21	5	FOBS=	95.4	SIGMA=	7.2	PHAS=	94.8	FOM=	0.90
INDE	10	21	6	FOBS=	90.0	SIGMA=	7.6	PHAS=	261.3	FOM=	0.01
INDE	10	21	7	FOBS=	73.9	SIGMA=	11.3	PHAS=	298.2	FOM=	0.15
INDE	10	22	0	FOBS=	90.7	SIGMA=	6.4	PHAS=	135.8	FOM=	0.52
INDE	10	22	1	FOBS=	53.7	SIGMA=	11.7	PHAS=	218.3	FOM=	0.05
INDE	10	22	2	FOBS=	115.7	SIGMA=	5.4	PHAS=	143.7	FOM=	0.50
INDE	10	22	3	FOBS=	116.7	SIGMA=	6.2	PHAS=	153.5	FOM=	0.32
INDE	10	22	4	FOBS=	68.8	SIGMA=	9.3	PHAS=	236.1	FOM=	0.34
INDE	10	22	5	FOBS=	39.3	SIGMA=	17.2	PHAS=	48.3	FOM=	0.07
INDE	10	22	6	FOBS=	109.1	SIGMA=	6.1	PHAS=	324.5	FOM=	0.10
INDE	10	23	0	FOBS=	125.1	SIGMA=	4.5	PHAS=	106.0	FOM=	0.06
INDE	10	23	1	FOBS=	90.7	SIGMA=	6.4	PHAS=	334.1	FOM=	0.24
INDE	10	23	2	FOBS=	61.5	SIGMA=	11.2	PHAS=	104.4	FOM=	0.13
INDE	10	23	3	FOBS=	126.9	SIGMA=	5.7	PHAS=	197.9	FOM=	0.77
INDE	10	23	4	FOBS=	41.0	SIGMA=	18.0	PHAS=	351.6	FOM=	0.17
INDE	10	23	5	FOBS=	103.1	SIGMA=	6.3	PHAS=	194.4	FOM=	0.09
INDE	10	24	0	FOBS=	37.7	SIGMA=	15.3	PHAS=	59.1	FOM=	0.14
INDE	10	24	1	FOBS=	109.3	SIGMA=	5.8	PHAS=	191.2	FOM=	0.37
INDE	10	24	2	FOBS=	101.3	SIGMA=	5.6	PHAS=	280.9	FOM=	0.96
INDE	10	24	3	FOBS=	74.0	SIGMA=	8.7	PHAS=	126.0	FOM=	0.04
INDE	10	24	4	FOBS=	153.8	SIGMA=	4.3	PHAS=	274.5	FOM=	0.12
INDE	10	24	5	FOBS=	64.8	SIGMA=	11.3	PHAS=	198.1	FOM=	0.05
INDE	10	25	0	FOBS=	126.6	SIGMA=	4.5	PHAS=	215.1	FOM=	0.24
INDE	10	25	1	FOBS=	35.9	SIGMA=	14.3	PHAS=	233.9	FOM=	0.09
INDE	10	25	2	FOBS=	61.3	SIGMA=	11.0	PHAS=	76.2	FOM=	0.06
INDE	10	25	3	FOBS=	45.7	SIGMA=	18.0	PHAS=	230.5	FOM=	0.10
INDE	10	25	4	FOBS=	97.7	SIGMA=	6.8	PHAS=	253.9	FOM=	0.04
INDE	10	26	0	FOBS=	44.6	SIGMA=	21.0	PHAS=	202.7	FOM=	0.06
INDE	10	26	1	FOBS=	103.3	SIGMA=	5.5	PHAS=	182.2	FOM=	0.12
INDE	10	26	2	FOBS=	39.5	SIGMA=	21.1	PHAS=	339.9	FOM=	0.04
INDE	10	26	3	FOBS=	47.8	SIGMA=	18.4	PHAS=	188.9	FOM=	0.11
INDE	10	27	0	FOBS=	110.3	SIGMA=	4.9	PHAS=	2.1	FOM=	0.54
INDE	10	27	1	FOBS=	99.5	SIGMA=	5.7	PHAS=	239.8	FOM=	0.21
INDE	11	0	0	FOBS=	384.6	SIGMA=	2.4	PHAS=	180.0	FOM=	0.40
INDE	11	0	1	FOBS=	73.7	SIGMA=	12.4	PHAS=	180.0	FOM=	0.28
INDE	11	0	2	FOBS=	223.1	SIGMA=	5.9	PHAS=	180.0	FOM=	0.40

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INDE	11	0	3	FOBS=	111.1	SIGMA=	8.7	PHAS=	180.0	FOM=	0.08
INDE	11	0	4	FOBS=	53.6	SIGMA=	21.7	PHAS=	0.0	FOM=	0.04
INDE	11	0	5	FOBS=	77.3	SIGMA=	16.2	PHAS=	0.0	FOM=	0.02
INDE	11	0	6	FOBS=	30.9	SIGMA=	36.1	PHAS=	180.0	FOM=	0.03
INDE	11	0	7	FOBS=	32.0	SIGMA=	33.8	PHAS=	180.0	FOM=	0.00
INDE	11	0	8	FOBS=	44.2	SIGMA=	55.5	PHAS=	0.0	FOM=	0.05
INDE	11	0	9	FOBS=	116.3	SIGMA=	10.7	PHAS=	180.0	FOM=	0.03
INDE	11	0	10	FOBS=	124.1	SIGMA=	100.8	PHAS=	0.0	FOM=	0.05
INDE	11	0	11	FOBS=	47.2	SIGMA=	30.0	PHAS=	0.0	FOM=	0.01
INDE	11	1	0	FOBS=	81.5	SIGMA=	7.6	PHAS=	98.3	FOM=	0.65
INDE	11	1	1	FOBS=	126.7	SIGMA=	5.0	PHAS=	309.9	FOM=	0.72
INDE	11	1	2	FOBS=	130.8	SIGMA=	5.0	PHAS=	228.7	FOM=	0.12
INDE	11	1	3	FOBS=	355.6	SIGMA=	2.3	PHAS=	74.6	FOM=	0.81
INDE	11	1	4	FOBS=	239.2	SIGMA=	3.6	PHAS=	293.9	FOM=	0.63
INDE	11	1	5	FOBS=	252.2	SIGMA=	3.8	PHAS=	174.9	FOM=	0.55
INDE	11	1	6	FOBS=	89.5	SIGMA=	12.2	PHAS=	294.9	FOM=	0.06
INDE	11	1	7	FOBS=	68.4	SIGMA=	15.6	PHAS=	97.9	FOM=	0.11
INDE	11	1	8	FOBS=	63.9	SIGMA=	18.3	PHAS=	270.2	FOM=	0.02
INDE	11	1	9	FOBS=	56.1	SIGMA=	18.0	PHAS=	272.1	FOM=	0.06
INDE	11	1	10	FOBS=	77.6	SIGMA=	12.6	PHAS=	190.8	FOM=	0.05
INDE	11	1	11	FOBS=	75.4	SIGMA=	14.0	PHAS=	22.6	FOM=	0.01
INDE	11	2	0	FOBS=	123.9	SIGMA=	4.7	PHAS=	281.1	FOM=	0.41
INDE	11	2	1	FOBS=	143.7	SIGMA=	4.3	PHAS=	133.3	FOM=	0.23
INDE	11	2	2	FOBS=	84.4	SIGMA=	7.9	PHAS=	133.1	FOM=	0.11
INDE	11	2	3	FOBS=	51.9	SIGMA=	14.9	PHAS=	160.6	FOM=	0.11
INDE	11	2	4	FOBS=	119.7	SIGMA=	7.6	PHAS=	301.9	FOM=	0.19
INDE	11	2	5	FOBS=	82.6	SIGMA=	13.9	PHAS=	334.6	FOM=	0.02
INDE	11	2	6	FOBS=	199.4	SIGMA=	4.4	PHAS=	122.1	FOM=	0.28
INDE	11	2	7	FOBS=	66.5	SIGMA=	33.5	PHAS=	355.7	FOM=	0.02
INDE	11	2	8	FOBS=	148.9	SIGMA=	6.9	PHAS=	312.4	FOM=	0.29
INDE	11	2	9	FOBS=	79.2	SIGMA=	11.8	PHAS=	123.7	FOM=	0.10
INDE	11	2	10	FOBS=	66.7	SIGMA=	16.0	PHAS=	89.7	FOM=	0.02
INDE	11	2	11	FOBS=	249.2	SIGMA=	165.9	PHAS=	307.3	FOM=	0.02
INDE	11	3	0	FOBS=	187.4	SIGMA=	3.1	PHAS=	333.9	FOM=	0.39
INDE	11	3	1	FOBS=	240.3	SIGMA=	2.7	PHAS=	38.4	FOM=	0.81
INDE	11	3	2	FOBS=	224.7	SIGMA=	3.1	PHAS=	263.2	FOM=	0.83
INDE	11	3	3	FOBS=	237.0	SIGMA=	3.5	PHAS=	25.4	FOM=	0.82
INDE	11	3	4	FOBS=	129.5	SIGMA=	6.7	PHAS=	88.3	FOM=	0.05
INDE	11	3	5	FOBS=	50.4	SIGMA=	24.6	PHAS=	41.6	FOM=	0.08
INDE	11	3	6	FOBS=	69.6	SIGMA=	32.5	PHAS=	311.0	FOM=	0.06
INDE	11	3	7	FOBS=	92.2	SIGMA=	10.2	PHAS=	157.7	FOM=	0.11
INDE	11	3	8	FOBS=	59.7	SIGMA=	29.7	PHAS=	277.8	FOM=	0.07
INDE	11	3	9	FOBS=	81.0	SIGMA=	13.0	PHAS=	43.0	FOM=	0.04
INDE	11	4	0	FOBS=	149.5	SIGMA=	4.0	PHAS=	285.7	FOM=	0.56
INDE	11	4	1	FOBS=	144.2	SIGMA=	4.7	PHAS=	304.7	FOM=	0.66
INDE	11	4	2	FOBS=	178.7	SIGMA=	4.1	PHAS=	335.4	FOM=	0.74
INDE	11	4	3	FOBS=	229.2	SIGMA=	3.7	PHAS=	9.4	FOM=	0.55
INDE	11	4	4	FOBS=	107.0	SIGMA=	7.7	PHAS=	180.5	FOM=	0.43
INDE	11	4	5	FOBS=	72.4	SIGMA=	11.2	PHAS=	11.5	FOM=	0.12
INDE	11	4	6	FOBS=	120.8	SIGMA=	112.0	PHAS=	337.0	FOM=	0.12
INDE	11	4	7	FOBS=	57.0	SIGMA=	24.9	PHAS=	163.2	FOM=	0.11
INDE	11	4	8	FOBS=	104.7	SIGMA=	9.8	PHAS=	296.8	FOM=	0.01
INDE	11	4	9	FOBS=	62.4	SIGMA=	18.5	PHAS=	329.6	FOM=	0.03
INDE	11	4	10	FOBS=	141.1	SIGMA=	82.1	PHAS=	204.2	FOM=	0.00
INDE	11	5	0	FOBS=	101.0	SIGMA=	6.5	PHAS=	168.0	FOM=	0.18
INDE	11	5	1	FOBS=	171.3	SIGMA=	4.3	PHAS=	128.0	FOM=	0.76
INDE	11	5	2	FOBS=	152.1	SIGMA=	5.3	PHAS=	347.5	FOM=	0.35
INDE	11	5	3	FOBS=	145.0	SIGMA=	7.1	PHAS=	160.3	FOM=	0.31
INDE	11	5	4	FOBS=	102.8	SIGMA=	7.6	PHAS=	136.6	FOM=	0.04
INDE	11	5	5	FOBS=	139.8	SIGMA=	6.6	PHAS=	12.9	FOM=	0.28
INDE	11	5	6	FOBS=	80.4	SIGMA=	12.9	PHAS=	278.8	FOM=	0.11
INDE	11	5	7	FOBS=	119.9	SIGMA=	8.6	PHAS=	316.3	FOM=	0.07
INDE	11	5	8	FOBS=	43.4	SIGMA=	23.5	PHAS=	82.9	FOM=	0.13
INDE	11	5	9	FOBS=	54.4	SIGMA=	29.6	PHAS=	263.8	FOM=	0.07
INDE	11	6	0	FOBS=	138.2	SIGMA=	4.6	PHAS=	103.8	FOM=	0.76
INDE	11	6	1	FOBS=	587.8	SIGMA=	1.7	PHAS=	19.1	FOM=	0.69
INDE	11	6	2	FOBS=	77.8	SIGMA=	9.8	PHAS=	244.0	FOM=	0.06
INDE	11	6	3	FOBS=	116.9	SIGMA=	6.3	PHAS=	90.9	FOM=	0.44
INDE	11	6	4	FOBS=	110.8	SIGMA=	7.9	PHAS=	258.6	FOM=	0.44
INDE	11	6	5	FOBS=	94.6	SIGMA=	9.6	PHAS=	96.6	FOM=	0.30
INDE	11	6	6	FOBS=	100.0	SIGMA=	9.6	PHAS=	279.0	FOM=	0.05

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INDE	11	6	7	FOBS=	121.1	SIGMA=	8.7	PHAS=	151.9	FOM=	0.07
INDE	11	6	8	FOBS=	102.4	SIGMA=	8.6	PHAS=	25.2	FOM=	0.15
INDE	11	6	9	FOBS=	57.5	SIGMA=	31.8	PHAS=	223.6	FOM=	0.08
INDE	11	6	10	FOBS=	68.3	SIGMA=	13.1	PHAS=	343.7	FOM=	0.01
INDE	11	7	0	FOBS=	311.8	SIGMA=	2.4	PHAS=	125.5	FOM=	0.79
INDE	11	7	1	FOBS=	78.0	SIGMA=	9.5	PHAS=	130.5	FOM=	0.32
INDE	11	7	2	FOBS=	143.6	SIGMA=	4.9	PHAS=	40.0	FOM=	0.79
INDE	11	7	3	FOBS=	63.2	SIGMA=	12.3	PHAS=	162.1	FOM=	0.20
INDE	11	7	4	FOBS=	162.5	SIGMA=	5.2	PHAS=	269.1	FOM=	0.39
INDE	11	7	5	FOBS=	116.3	SIGMA=	8.5	PHAS=	39.0	FOM=	0.56
INDE	11	7	6	FOBS=	83.4	SIGMA=	11.7	PHAS=	167.8	FOM=	0.29
INDE	11	7	7	FOBS=	89.0	SIGMA=	10.5	PHAS=	11.7	FOM=	0.10
INDE	11	7	9	FOBS=	112.2	SIGMA=	7.6	PHAS=	119.2	FOM=	0.06
INDE	11	7	10	FOBS=	59.0	SIGMA=	15.2	PHAS=	320.4	FOM=	0.04
INDE	11	8	0	FOBS=	271.2	SIGMA=	2.6	PHAS=	231.3	FOM=	0.93
INDE	11	8	1	FOBS=	234.6	SIGMA=	3.1	PHAS=	57.5	FOM=	0.59
INDE	11	8	2	FOBS=	183.4	SIGMA=	3.9	PHAS=	229.9	FOM=	0.59
INDE	11	8	3	FOBS=	149.4	SIGMA=	5.2	PHAS=	144.6	FOM=	0.29
INDE	11	8	5	FOBS=	164.3	SIGMA=	5.7	PHAS=	53.4	FOM=	0.06
INDE	11	8	6	FOBS=	125.6	SIGMA=	6.7	PHAS=	216.8	FOM=	0.05
INDE	11	8	7	FOBS=	114.3	SIGMA=	7.3	PHAS=	262.6	FOM=	0.21
INDE	11	8	8	FOBS=	61.6	SIGMA=	15.8	PHAS=	70.3	FOM=	0.89
INDE	11	8	9	FOBS=	38.0	SIGMA=	15.5	PHAS=	263.0	FOM=	0.04
INDE	11	8	10	FOBS=	80.0	SIGMA=	11.2	PHAS=	207.8	FOM=	0.96
INDE	11	9	0	FOBS=	251.2	SIGMA=	2.7	PHAS=	336.2	FOM=	0.93
INDE	11	9	1	FOBS=	232.4	SIGMA=	2.9	PHAS=	198.2	FOM=	0.43
INDE	11	9	2	FOBS=	145.3	SIGMA=	5.0	PHAS=	233.8	FOM=	0.85
INDE	11	9	3	FOBS=	246.6	SIGMA=	3.6	PHAS=	43.3	FOM=	0.03
INDE	11	9	4	FOBS=	54.6	SIGMA=	27.1	PHAS=	275.1	FOM=	0.77
INDE	11	9	6	FOBS=	221.2	SIGMA=	3.8	PHAS=	228.1	FOM=	0.17
INDE	11	9	7	FOBS=	59.0	SIGMA=	14.1	PHAS=	80.2	FOM=	0.07
INDE	11	9	8	FOBS=	101.1	SIGMA=	97.3	PHAS=	240.8	FOM=	0.07
INDE	11	9	9	FOBS=	58.5	SIGMA=	25.1	PHAS=	253.2	FOM=	0.13
INDE	11	9	10	FOBS=	35.5	SIGMA=	22.3	PHAS=	99.5	FOM=	0.09
INDE	11	10	0	FOBS=	112.4	SIGMA=	5.5	PHAS=	137.9	FOM=	0.44
INDE	11	10	1	FOBS=	98.1	SIGMA=	6.7	PHAS=	355.9	FOM=	0.07
INDE	11	10	2	FOBS=	125.1	SIGMA=	6.7	PHAS=	132.1	FOM=	0.20
INDE	11	10	3	FOBS=	45.4	SIGMA=	23.2	PHAS=	118.6	FOM=	0.42
INDE	11	10	4	FOBS=	81.2	SIGMA=	10.1	PHAS=	328.8	FOM=	0.16
INDE	11	10	5	FOBS=	90.5	SIGMA=	9.2	PHAS=	117.0	FOM=	0.12
INDE	11	10	6	FOBS=	67.8	SIGMA=	15.4	PHAS=	105.3	FOM=	0.20
INDE	11	10	7	FOBS=	129.7	SIGMA=	6.4	PHAS=	338.7	FOM=	0.02
INDE	11	10	8	FOBS=	93.5	SIGMA=	8.8	PHAS=	218.9	FOM=	0.01
INDE	11	10	9	FOBS=	87.6	SIGMA=	10.5	PHAS=	46.5	FOM=	0.03
INDE	11	10	10	FOBS=	56.5	SIGMA=	27.0	PHAS=	99.2	FOM=	0.84
INDE	11	11	0	FOBS=	222.3	SIGMA=	2.8	PHAS=	333.6	FOM=	0.12
INDE	11	11	1	FOBS=	209.5	SIGMA=	3.4	PHAS=	132.2	FOM=	0.09
INDE	11	11	2	FOBS=	122.9	SIGMA=	6.8	PHAS=	112.0	FOM=	0.08
INDE	11	11	3	FOBS=	49.9	SIGMA=	19.4	PHAS=	291.8	FOM=	0.60
INDE	11	11	5	FOBS=	175.4	SIGMA=	4.7	PHAS=	200.3	FOM=	0.09
INDE	11	11	6	FOBS=	59.8	SIGMA=	17.4	PHAS=	289.6	FOM=	0.18
INDE	11	11	7	FOBS=	76.9	SIGMA=	10.9	PHAS=	21.4	FOM=	0.19
INDE	11	11	8	FOBS=	45.6	SIGMA=	22.7	PHAS=	149.3	FOM=	0.01
INDE	11	11	9	FOBS=	57.7	SIGMA=	31.4	PHAS=	284.3	FOM=	0.31
INDE	11	12	0	FOBS=	189.8	SIGMA=	3.5	PHAS=	237.1	FOM=	0.05
INDE	11	12	1	FOBS=	87.9	SIGMA=	9.0	PHAS=	216.3	FOM=	0.11
INDE	11	12	2	FOBS=	85.7	SIGMA=	9.0	PHAS=	37.8	FOM=	0.04
INDE	11	12	3	FOBS=	125.0	SIGMA=	6.1	PHAS=	117.0	FOM=	0.18
INDE	11	12	4	FOBS=	178.4	SIGMA=	4.5	PHAS=	278.2	FOM=	0.10
INDE	11	12	6	FOBS=	69.8	SIGMA=	13.1	PHAS=	275.6	FOM=	0.06
INDE	11	12	7	FOBS=	55.1	SIGMA=	18.3	PHAS=	65.2	FOM=	0.44
INDE	11	12	8	FOBS=	85.6	SIGMA=	9.2	PHAS=	185.9	FOM=	0.03
INDE	11	12	9	FOBS=	48.9	SIGMA=	25.6	PHAS=	319.6	FOM=	0.13
INDE	11	13	0	FOBS=	162.2	SIGMA=	4.7	PHAS=	339.1	FOM=	0.45
INDE	11	13	1	FOBS=	142.6	SIGMA=	5.0	PHAS=	142.7	FOM=	0.04
INDE	11	13	3	FOBS=	75.8	SIGMA=	10.4	PHAS=	172.1	FOM=	0.13
INDE	11	13	4	FOBS=	143.0	SIGMA=	5.4	PHAS=	45.1	FOM=	0.11
INDE	11	13	5	FOBS=	121.8	SIGMA=	6.4	PHAS=	306.6	FOM=	0.23
INDE	11	13	6	FOBS=	91.8	SIGMA=	8.7	PHAS=	122.7	FOM=	0.10
INDE	11	13	7	FOBS=	103.8	SIGMA=	7.5	PHAS=	16.6	FOM=	0.03
INDE	11	13	8	FOBS=	90.1	SIGMA=	8.6	PHAS=	246.8	FOM=	

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INDE	11	13	9	FOBS=	101.5	SIGMA=	59.5	PHAS=	75.4	FOM=	0.03
INDE	11	14	0	FOBS=	131.7	SIGMA=	5.6	PHAS=	128.6	FOM=	0.18
INDE	11	14	1	FOBS=	134.7	SIGMA=	5.1	PHAS=	205.2	FOM=	0.34
INDE	11	14	2	FOBS=	160.2	SIGMA=	4.6	PHAS=	151.1	FOM=	0.23
INDE	11	14	3	FOBS=	213.1	SIGMA=	4.1	PHAS=	345.7	FOM=	0.49
INDE	11	14	4	FOBS=	74.5	SIGMA=	10.1	PHAS=	196.2	FOM=	0.21
INDE	11	14	5	FOBS=	159.8	SIGMA=	4.9	PHAS=	101.8	FOM=	0.12
INDE	11	14	6	FOBS=	58.1	SIGMA=	13.8	PHAS=	314.2	FOM=	0.08
INDE	11	14	7	FOBS=	47.8	SIGMA=	32.8	PHAS=	171.3	FOM=	0.05
INDE	11	14	8	FOBS=	92.2	SIGMA=	8.6	PHAS=	255.1	FOM=	0.02
INDE	11	14	9	FOBS=	67.0	SIGMA=	12.7	PHAS=	319.4	FOM=	0.00
INDE	11	15	0	FOBS=	171.1	SIGMA=	3.9	PHAS=	312.3	FOM=	0.89
INDE	11	15	1	FOBS=	97.1	SIGMA=	6.8	PHAS=	98.4	FOM=	0.25
INDE	11	15	2	FOBS=	80.3	SIGMA=	8.8	PHAS=	4.1	FOM=	0.28
INDE	11	15	3	FOBS=	92.0	SIGMA=	7.8	PHAS=	239.7	FOM=	0.31
INDE	11	15	4	FOBS=	66.6	SIGMA=	17.3	PHAS=	172.2	FOM=	0.06
INDE	11	15	5	FOBS=	63.9	SIGMA=	12.4	PHAS=	10.2	FOM=	0.28
INDE	11	15	6	FOBS=	82.7	SIGMA=	9.4	PHAS=	220.7	FOM=	0.14
INDE	11	15	7	FOBS=	35.4	SIGMA=	20.2	PHAS=	280.4	FOM=	0.41
INDE	11	15	8	FOBS=	56.4	SIGMA=	14.8	PHAS=	81.9	FOM=	0.02
INDE	11	16	0	FOBS=	175.2	SIGMA=	3.8	PHAS=	110.5	FOM=	0.72
INDE	11	16	1	FOBS=	175.4	SIGMA=	4.0	PHAS=	47.4	FOM=	0.46
INDE	11	16	2	FOBS=	129.2	SIGMA=	5.5	PHAS=	226.5	FOM=	0.57
INDE	11	16	3	FOBS=	77.3	SIGMA=	9.2	PHAS=	4.3	FOM=	0.13
INDE	11	16	4	FOBS=	72.1	SIGMA=	10.2	PHAS=	316.2	FOM=	0.01
INDE	11	16	5	FOBS=	143.0	SIGMA=	5.3	PHAS=	91.2	FOM=	0.20
INDE	11	16	6	FOBS=	53.1	SIGMA=	36.0	PHAS=	249.2	FOM=	0.16
INDE	11	16	7	FOBS=	84.4	SIGMA=	9.1	PHAS=	161.0	FOM=	0.02
INDE	11	16	8	FOBS=	67.3	SIGMA=	13.2	PHAS=	111.7	FOM=	0.10
INDE	11	17	0	FOBS=	214.6	SIGMA=	2.9	PHAS=	24.8	FOM=	0.64
INDE	11	17	1	FOBS=	279.2	SIGMA=	2.3	PHAS=	121.7	FOM=	0.93
INDE	11	17	2	FOBS=	48.3	SIGMA=	22.4	PHAS=	1.0	FOM=	0.09
INDE	11	17	3	FOBS=	115.3	SIGMA=	6.1	PHAS=	192.3	FOM=	0.07
INDE	11	17	4	FOBS=	86.2	SIGMA=	8.2	PHAS=	177.3	FOM=	0.01
INDE	11	17	5	FOBS=	114.8	SIGMA=	6.4	PHAS=	303.6	FOM=	0.25
INDE	11	17	6	FOBS=	41.2	SIGMA=	42.3	PHAS=	184.4	FOM=	0.34
INDE	11	17	7	FOBS=	85.6	SIGMA=	8.6	PHAS=	58.1	FOM=	0.02
INDE	11	17	8	FOBS=	84.4	SIGMA=	12.4	PHAS=	268.3	FOM=	0.03
INDE	11	18	0	FOBS=	207.3	SIGMA=	3.0	PHAS=	115.2	FOM=	0.73
INDE	11	18	1	FOBS=	54.0	SIGMA=	33.3	PHAS=	315.3	FOM=	0.11
INDE	11	18	2	FOBS=	153.2	SIGMA=	4.5	PHAS=	259.9	FOM=	0.11
INDE	11	18	3	FOBS=	87.9	SIGMA=	7.7	PHAS=	47.2	FOM=	0.25
INDE	11	18	4	FOBS=	57.2	SIGMA=	40.5	PHAS=	284.9	FOM=	0.22
INDE	11	18	6	FOBS=	55.4	SIGMA=	13.7	PHAS=	119.5	FOM=	0.06
INDE	11	18	7	FOBS=	82.5	SIGMA=	45.1	PHAS=	290.4	FOM=	0.11
INDE	11	19	0	FOBS=	78.5	SIGMA=	7.9	PHAS=	129.7	FOM=	0.14
INDE	11	19	1	FOBS=	44.8	SIGMA=	24.1	PHAS=	253.1	FOM=	0.05
INDE	11	19	2	FOBS=	57.8	SIGMA=	12.1	PHAS=	64.0	FOM=	0.20
INDE	11	19	3	FOBS=	45.6	SIGMA=	15.2	PHAS=	252.3	FOM=	0.21
INDE	11	19	4	FOBS=	48.2	SIGMA=	17.3	PHAS=	92.4	FOM=	0.04
INDE	11	19	5	FOBS=	72.5	SIGMA=	10.2	PHAS=	97.3	FOM=	0.09
INDE	11	19	6	FOBS=	56.7	SIGMA=	14.1	PHAS=	273.1	FOM=	0.06
INDE	11	19	7	FOBS=	83.8	SIGMA=	10.3	PHAS=	77.0	FOM=	0.02
INDE	11	20	0	FOBS=	86.7	SIGMA=	7.4	PHAS=	168.7	FOM=	0.58
INDE	11	20	1	FOBS=	68.0	SIGMA=	9.3	PHAS=	347.1	FOM=	0.13
INDE	11	20	2	FOBS=	63.0	SIGMA=	43.5	PHAS=	35.4	FOM=	0.02
INDE	11	20	3	FOBS=	126.9	SIGMA=	5.5	PHAS=	172.0	FOM=	0.54
INDE	11	20	5	FOBS=	55.2	SIGMA=	14.4	PHAS=	238.2	FOM=	0.02
INDE	11	20	6	FOBS=	77.0	SIGMA=	11.4	PHAS=	168.7	FOM=	0.05
INDE	11	21	0	FOBS=	58.9	SIGMA=	9.5	PHAS=	324.8	FOM=	0.11
INDE	11	21	1	FOBS=	59.6	SIGMA=	10.4	PHAS=	7.5	FOM=	0.15
INDE	11	21	2	FOBS=	39.4	SIGMA=	18.2	PHAS=	156.4	FOM=	0.28
INDE	11	21	3	FOBS=	57.0	SIGMA=	13.0	PHAS=	335.0	FOM=	0.30
INDE	11	21	4	FOBS=	90.2	SIGMA=	7.4	PHAS=	55.6	FOM=	0.03
INDE	11	21	5	FOBS=	52.6	SIGMA=	20.1	PHAS=	164.6	FOM=	0.07
INDE	11	21	6	FOBS=	80.6	SIGMA=	15.7	PHAS=	357.7	FOM=	0.02
INDE	11	22	0	FOBS=	52.2	SIGMA=	11.7	PHAS=	218.5	FOM=	0.20
INDE	11	22	1	FOBS=	84.7	SIGMA=	6.9	PHAS=	239.1	FOM=	0.12
INDE	11	22	2	FOBS=	74.2	SIGMA=	8.4	PHAS=	72.8	FOM=	0.55
INDE	11	22	3	FOBS=	83.1	SIGMA=	7.7	PHAS=	203.2	FOM=	0.16
INDE	11	22	4	FOBS=	56.3	SIGMA=	32.5	PHAS=	118.0	FOM=	0.05

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INDE	11	22	5	FOBS=	60.4	SIGMA=	12.4	PHAS=	209.1	FOM=	0.03
INDE	11	23	0	FOBS=	35.6	SIGMA=	19.6	PHAS=	219.6	FOM=	0.41
INDE	11	23	1	FOBS=	91.2	SIGMA=	6.4	PHAS=	295.4	FOM=	0.27
INDE	11	23	2	FOBS=	126.0	SIGMA=	4.9	PHAS=	131.2	FOM=	0.11
INDE	11	23	3	FOBS=	63.6	SIGMA=	12.6	PHAS=	225.7	FOM=	0.11
INDE	11	24	0	FOBS=	64.9	SIGMA=	8.5	PHAS=	358.8	FOM=	0.02
INDE	11	24	1	FOBS=	114.4	SIGMA=	5.1	PHAS=	310.6	FOM=	0.17
INDE	11	24	2	FOBS=	231.7	SIGMA=	3.0	PHAS=	156.7	FOM=	0.93
INDE	11	24	3	FOBS=	87.0	SIGMA=	7.8	PHAS=	30.0	FOM=	0.20
INDE	11	25	0	FOBS=	56.3	SIGMA=	10.5	PHAS=	307.1	FOM=	0.01
INDE	11	25	1	FOBS=	91.6	SIGMA=	6.4	PHAS=	256.7	FOM=	0.16
INDE	11	25	2	FOBS=	59.1	SIGMA=	12.7	PHAS=	105.8	FOM=	0.03
INDE	11	26	0	FOBS=	73.4	SIGMA=	43.4	PHAS=	217.9	FOM=	0.01
INDE	12	00	0	FOBS=	154.1	SIGMA=	5.9	PHAS=	0.0	FOM=	0.17
INDE	12	00	1	FOBS=	52.3	SIGMA=	19.7	PHAS=	0.0	FOM=	0.11
INDE	12	00	2	FOBS=	89.2	SIGMA=	11.7	PHAS=	180.0	FOM=	0.24
INDE	12	00	3	FOBS=	94.2	SIGMA=	11.7	PHAS=	180.0	FOM=	0.01
INDE	12	00	4	FOBS=	368.1	SIGMA=	3.9	PHAS=	180.0	FOM=	0.33
INDE	12	00	5	FOBS=	56.7	SIGMA=	21.2	PHAS=	180.0	FOM=	0.02
INDE	12	00	6	FOBS=	107.4	SIGMA=	10.9	PHAS=	180.0	FOM=	0.08
INDE	12	00	7	FOBS=	57.1	SIGMA=	88.5	PHAS=	0.0	FOM=	0.03
INDE	12	00	8	FOBS=	89.5	SIGMA=	18.8	PHAS=	0.0	FOM=	0.01
INDE	12	00	9	FOBS=	51.4	SIGMA=	26.8	PHAS=	180.0	FOM=	0.01
INDE	12	00	10	FOBS=	98.2	SIGMA=	12.8	PHAS=	180.0	FOM=	0.03
INDE	12	01	0	FOBS=	258.3	SIGMA=	2.5	PHAS=	333.1	FOM=	0.49
INDE	12	01	1	FOBS=	190.6	SIGMA=	3.6	PHAS=	237.6	FOM=	0.68
INDE	12	01	2	FOBS=	153.9	SIGMA=	4.7	PHAS=	259.6	FOM=	0.20
INDE	12	01	3	FOBS=	102.6	SIGMA=	8.3	PHAS=	31.7	FOM=	0.07
INDE	12	01	4	FOBS=	143.4	SIGMA=	6.2	PHAS=	178.9	FOM=	0.22
INDE	12	01	5	FOBS=	127.4	SIGMA=	6.4	PHAS=	275.1	FOM=	0.08
INDE	12	01	6	FOBS=	196.8	SIGMA=	4.7	PHAS=	287.6	FOM=	0.03
INDE	12	01	7	FOBS=	94.4	SIGMA=	10.5	PHAS=	71.7	FOM=	0.04
INDE	12	01	8	FOBS=	108.2	SIGMA=	9.1	PHAS=	56.4	FOM=	0.09
INDE	12	01	9	FOBS=	94.2	SIGMA=	10.1	PHAS=	212.8	FOM=	0.02
INDE	12	01	10	FOBS=	63.0	SIGMA=	29.9	PHAS=	39.3	FOM=	0.02
INDE	12	02	0	FOBS=	89.1	SIGMA=	7.0	PHAS=	191.6	FOM=	0.24
INDE	12	02	1	FOBS=	103.5	SIGMA=	6.3	PHAS=	93.4	FOM=	0.27
INDE	12	02	2	FOBS=	151.9	SIGMA=	5.1	PHAS=	31.6	FOM=	0.33
INDE	12	02	3	FOBS=	103.4	SIGMA=	7.6	PHAS=	174.8	FOM=	0.28
INDE	12	02	4	FOBS=	71.9	SIGMA=	10.7	PHAS=	114.6	FOM=	0.02
INDE	12	02	5	FOBS=	105.1	SIGMA=	9.4	PHAS=	296.3	FOM=	0.33
INDE	12	02	6	FOBS=	109.5	SIGMA=	8.9	PHAS=	101.2	FOM=	0.18
INDE	12	02	7	FOBS=	144.6	SIGMA=	6.4	PHAS=	358.0	FOM=	0.04
INDE	12	02	9	FOBS=	136.0	SIGMA=	7.4	PHAS=	198.5	FOM=	0.02
INDE	12	03	0	FOBS=	61.6	SIGMA=	39.3	PHAS=	23.3	FOM=	0.07
INDE	12	03	1	FOBS=	39.1	SIGMA=	16.8	PHAS=	283.9	FOM=	0.16
INDE	12	03	2	FOBS=	140.8	SIGMA=	5.7	PHAS=	229.4	FOM=	0.60
INDE	12	03	3	FOBS=	95.6	SIGMA=	8.3	PHAS=	21.5	FOM=	0.12
INDE	12	03	4	FOBS=	108.1	SIGMA=	7.7	PHAS=	256.8	FOM=	0.25
INDE	12	03	5	FOBS=	49.0	SIGMA=	26.4	PHAS=	90.6	FOM=	0.12
INDE	12	03	6	FOBS=	86.2	SIGMA=	10.8	PHAS=	161.9	FOM=	0.06
INDE	12	03	7	FOBS=	46.0	SIGMA=	23.0	PHAS=	307.9	FOM=	0.11
INDE	12	03	8	FOBS=	57.8	SIGMA=	15.7	PHAS=	49.2	FOM=	0.16
INDE	12	03	9	FOBS=	59.9	SIGMA=	16.8	PHAS=	212.1	FOM=	0.06
INDE	12	04	0	FOBS=	81.0	SIGMA=	39.7	PHAS=	41.6	FOM=	0.02
INDE	12	04	1	FOBS=	81.3	SIGMA=	7.7	PHAS=	278.1	FOM=	0.24
INDE	12	04	2	FOBS=	206.4	SIGMA=	3.7	PHAS=	230.3	FOM=	0.81
INDE	12	04	3	FOBS=	98.6	SIGMA=	7.3	PHAS=	82.1	FOM=	0.28
INDE	12	04	4	FOBS=	156.2	SIGMA=	5.2	PHAS=	16.7	FOM=	0.32
INDE	12	04	5	FOBS=	46.7	SIGMA=	27.5	PHAS=	155.3	FOM=	0.09
INDE	12	04	6	FOBS=	142.2	SIGMA=	6.5	PHAS=	304.6	FOM=	0.06
INDE	12	04	7	FOBS=	57.7	SIGMA=	18.2	PHAS=	150.9	FOM=	0.07
INDE	12	04	8	FOBS=	60.2	SIGMA=	17.6	PHAS=	351.5	FOM=	0.13
INDE	12	04	9	FOBS=	73.6	SIGMA=	12.2	PHAS=	168.5	FOM=	0.17
INDE	12	05	0	FOBS=	57.5	SIGMA=	17.1	PHAS=	143.2	FOM=	0.04
INDE	12	05	1	FOBS=	80.6	SIGMA=	44.6	PHAS=	354.2	FOM=	0.10
INDE	12	05	2	FOBS=	95.3	SIGMA=	7.5	PHAS=	180.3	FOM=	0.39
INDE	12	05	3	FOBS=	213.3	SIGMA=	3.3	PHAS=	338.5	FOM=	0.77
INDE	12	05	4	FOBS=	86.0	SIGMA=	8.5	PHAS=	118.2	FOM=	0.07
INDE	12	05	5	FOBS=	232.8	SIGMA=	4.2	PHAS=	149.3	FOM=	0.23
INDE	12	05	6	FOBS=	181.8	SIGMA=	5.7	PHAS=	340.8	FOM=	0.52

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INDE	12	5	5	FOBS=	83.8	SIGMA=	9.9	PHAS=	125.5	FOM=	0.13
INDE	12	5	6	FOBS=	62.6	SIGMA=	13.8	PHAS=	333.3	FOM=	0.16
INDE	12	5	7	FOBS=	75.1	SIGMA=	12.7	PHAS=	222.6	FOM=	0.17
INDE	12	5	8	FOBS=	87.4	SIGMA=	11.4	PHAS=	108.4	FOM=	0.17
INDE	12	5	9	FOBS=	67.5	SIGMA=	15.4	PHAS=	340.1	FOM=	0.03
INDE	12	5	10	FOBS=	107.3	SIGMA=	63.2	PHAS=	123.6	FOM=	0.02
INDE	12	6	1	FOBS=	252.0	SIGMA=	3.0	PHAS=	21.4	FOM=	0.75
INDE	12	6	2	FOBS=	154.5	SIGMA=	4.6	PHAS=	299.0	FOM=	0.59
INDE	12	6	3	FOBS=	145.8	SIGMA=	5.6	PHAS=	14.9	FOM=	0.54
INDE	12	6	4	FOBS=	182.7	SIGMA=	5.1	PHAS=	275.1	FOM=	0.66
INDE	12	6	5	FOBS=	126.0	SIGMA=	6.3	PHAS=	114.7	FOM=	0.25
INDE	12	6	6	FOBS=	65.8	SIGMA=	11.9	PHAS=	55.5	FOM=	0.13
INDE	12	6	7	FOBS=	112.4	SIGMA=	7.5	PHAS=	224.1	FOM=	0.39
INDE	12	6	8	FOBS=	58.4	SIGMA=	17.6	PHAS=	53.8	FOM=	0.10
INDE	12	6	9	FOBS=	79.7	SIGMA=	12.2	PHAS=	123.0	FOM=	0.08
INDE	12	6	0	FOBS=	52.3	SIGMA=	20.7	PHAS=	230.3	FOM=	0.04
INDE	12	7	1	FOBS=	193.3	SIGMA=	3.6	PHAS=	114.2	FOM=	0.93
INDE	12	7	2	FOBS=	160.3	SIGMA=	5.0	PHAS=	296.0	FOM=	0.70
INDE	12	7	3	FOBS=	293.4	SIGMA=	3.0	PHAS=	335.6	FOM=	0.23
INDE	12	7	4	FOBS=	108.5	SIGMA=	7.5	PHAS=	206.4	FOM=	0.42
INDE	12	7	5	FOBS=	177.2	SIGMA=	4.7	PHAS=	11.1	FOM=	0.68
INDE	12	7	6	FOBS=	53.3	SIGMA=	29.8	PHAS=	176.8	FOM=	0.11
INDE	12	7	7	FOBS=	46.8	SIGMA=	19.6	PHAS=	34.2	FOM=	0.12
INDE	12	7	8	FOBS=	119.2	SIGMA=	8.8	PHAS=	193.8	FOM=	0.08
INDE	12	7	9	FOBS=	51.2	SIGMA=	16.0	PHAS=	156.2	FOM=	0.41
INDE	12	7	0	FOBS=	57.8	SIGMA=	19.8	PHAS=	6.7	FOM=	0.06
INDE	12	8	1	FOBS=	68.9	SIGMA=	11.0	PHAS=	212.1	FOM=	0.03
INDE	12	8	2	FOBS=	68.7	SIGMA=	12.1	PHAS=	296.9	FOM=	0.16
INDE	12	8	3	FOBS=	201.9	SIGMA=	4.2	PHAS=	62.4	FOM=	0.85
INDE	12	8	4	FOBS=	213.8	SIGMA=	3.9	PHAS=	333.3	FOM=	0.94
INDE	12	8	5	FOBS=	82.1	SIGMA=	12.6	PHAS=	36.8	FOM=	0.17
INDE	12	8	6	FOBS=	80.4	SIGMA=	16.9	PHAS=	93.3	FOM=	0.08
INDE	12	8	7	FOBS=	149.9	SIGMA=	6.4	PHAS=	313.4	FOM=	0.51
INDE	12	8	8	FOBS=	68.6	SIGMA=	19.8	PHAS=	104.1	FOM=	0.03
INDE	12	8	9	FOBS=	44.3	SIGMA=	19.9	PHAS=	54.8	FOM=	0.02
INDE	12	8	0	FOBS=	87.4	SIGMA=	9.7	PHAS=	311.3	FOM=	0.03
INDE	12	9	1	FOBS=	226.9	SIGMA=	3.6	PHAS=	182.2	FOM=	0.84
INDE	12	9	2	FOBS=	87.0	SIGMA=	56.9	PHAS=	56.0	FOM=	0.08
INDE	12	9	3	FOBS=	114.6	SIGMA=	6.7	PHAS=	324.2	FOM=	0.31
INDE	12	9	4	FOBS=	61.3	SIGMA=	23.0	PHAS=	230.1	FOM=	0.03
INDE	12	9	5	FOBS=	221.3	SIGMA=	3.8	PHAS=	123.6	FOM=	0.73
INDE	12	9	6	FOBS=	126.7	SIGMA=	7.4	PHAS=	296.1	FOM=	0.41
INDE	12	9	7	FOBS=	67.1	SIGMA=	13.0	PHAS=	297.0	FOM=	0.10
INDE	12	9	8	FOBS=	39.4	SIGMA=	17.1	PHAS=	72.7	FOM=	0.17
INDE	12	9	9	FOBS=	73.4	SIGMA=	17.7	PHAS=	167.8	FOM=	0.01
INDE	12	10	0	FOBS=	89.3	SIGMA=	9.3	PHAS=	348.4	FOM=	0.03
INDE	12	10	1	FOBS=	105.8	SIGMA=	7.2	PHAS=	162.2	FOM=	0.24
INDE	12	10	2	FOBS=	74.3	SIGMA=	10.1	PHAS=	292.6	FOM=	0.29
INDE	12	10	3	FOBS=	119.3	SIGMA=	6.3	PHAS=	146.3	FOM=	0.25
INDE	12	10	4	FOBS=	100.6	SIGMA=	7.8	PHAS=	252.6	FOM=	0.08
INDE	12	10	5	FOBS=	123.2	SIGMA=	7.3	PHAS=	73.7	FOM=	0.27
INDE	12	10	6	FOBS=	92.6	SIGMA=	31.6	PHAS=	259.6	FOM=	0.10
INDE	12	10	7	FOBS=	119.8	SIGMA=	6.8	PHAS=	82.6	FOM=	0.03
INDE	12	10	8	FOBS=	137.3	SIGMA=	6.1	PHAS=	152.9	FOM=	0.44
INDE	12	10	9	FOBS=	57.5	SIGMA=	16.1	PHAS=	306.9	FOM=	0.07
INDE	12	11	0	FOBS=	106.9	SIGMA=	8.5	PHAS=	20.7	FOM=	0.01
INDE	12	11	1	FOBS=	194.4	SIGMA=	3.6	PHAS=	337.2	FOM=	0.57
INDE	12	11	2	FOBS=	130.8	SIGMA=	5.4	PHAS=	8.5	FOM=	0.11
INDE	12	11	3	FOBS=	276.9	SIGMA=	3.2	PHAS=	189.8	FOM=	0.93
INDE	12	11	4	FOBS=	105.3	SIGMA=	8.2	PHAS=	301.3	FOM=	0.06
INDE	12	11	5	FOBS=	76.6	SIGMA=	10.4	PHAS=	18.2	FOM=	0.09
INDE	12	11	6	FOBS=	95.6	SIGMA=	8.4	PHAS=	187.3	FOM=	0.18
INDE	12	11	7	FOBS=	103.9	SIGMA=	7.7	PHAS=	201.0	FOM=	0.02
INDE	12	11	8	FOBS=	76.8	SIGMA=	10.0	PHAS=	5.7	FOM=	0.18
INDE	12	12	0	FOBS=	86.2	SIGMA=	51.0	PHAS=	283.7	FOM=	0.04
INDE	12	12	1	FOBS=	214.7	SIGMA=	3.1	PHAS=	171.9	FOM=	0.40
INDE	12	12	2	FOBS=	87.3	SIGMA=	8.1	PHAS=	176.9	FOM=	0.08
INDE	12	12	3	FOBS=	83.0	SIGMA=	9.8	PHAS=	92.4	FOM=	0.08
INDE	12	12	4	FOBS=	45.2	SIGMA=	22.0	PHAS=	312.3	FOM=	0.11
INDE	12	12	5	FOBS=	91.1	SIGMA=	8.4	PHAS=	174.9	FOM=	0.07
INDE	12	12		FOBS=	110.3	SIGMA=	7.1	PHAS=	264.6	FOM=	0.08

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INDE	12	12	6	FOBS=	57.1	SIGMA=	16.6	PHAS=	38.3	FOM=	0.12
INDE	12	12	7	FOBS=	122.6	SIGMA=	6.6	PHAS=	175.9	FOM=	0.03
INDE	12	13	0	FOBS=	153.4	SIGMA=	4.4	PHAS=	198.8	FOM=	0.29
INDE	12	13	1	FOBS=	89.2	SIGMA=	9.0	PHAS=	351.7	FOM=	0.22
INDE	12	13	2	FOBS=	139.8	SIGMA=	5.9	PHAS=	210.3	FOM=	0.23
INDE	12	13	3	FOBS=	50.1	SIGMA=	26.6	PHAS=	279.3	FOM=	0.10
INDE	12	13	4	FOBS=	68.0	SIGMA=	14.2	PHAS=	305.5	FOM=	0.02
INDE	12	13	5	FOBS=	73.7	SIGMA=	11.0	PHAS=	106.2	FOM=	0.09
INDE	12	13	6	FOBS=	59.6	SIGMA=	25.4	PHAS=	304.3	FOM=	0.12
INDE	12	13	7	FOBS=	63.6	SIGMA=	13.4	PHAS=	178.3	FOM=	0.02
INDE	12	13	8	FOBS=	331.2	SIGMA=	220.6	PHAS=	8.1	FOM=	0.01
INDE	12	14	0	FOBS=	82.2	SIGMA=	8.4	PHAS=	64.7	FOM=	0.28
INDE	12	14	1	FOBS=	98.7	SIGMA=	7.8	PHAS=	243.8	FOM=	0.34
INDE	12	14	2	FOBS=	128.9	SIGMA=	5.7	PHAS=	351.4	FOM=	0.12
INDE	12	14	3	FOBS=	141.5	SIGMA=	5.3	PHAS=	346.1	FOM=	0.06
INDE	12	14	4	FOBS=	99.1	SIGMA=	7.6	PHAS=	53.6	FOM=	0.06
INDE	12	14	5	FOBS=	75.1	SIGMA=	10.9	PHAS=	235.7	FOM=	0.08
INDE	12	14	6	FOBS=	118.6	SIGMA=	6.4	PHAS=	263.6	FOM=	0.28
INDE	12	14	7	FOBS=	42.8	SIGMA=	18.8	PHAS=	37.8	FOM=	0.04
INDE	12	14	8	FOBS=	78.9	SIGMA=	133.6	PHAS=	186.5	FOM=	0.03
INDE	12	15	0	FOBS=	57.1	SIGMA=	18.9	PHAS=	162.9	FOM=	0.26
INDE	12	15	1	FOBS=	118.5	SIGMA=	5.8	PHAS=	226.6	FOM=	0.13
INDE	12	15	2	FOBS=	44.1	SIGMA=	19.7	PHAS=	105.0	FOM=	0.06
INDE	12	15	3	FOBS=	143.1	SIGMA=	5.2	PHAS=	104.5	FOM=	0.29
INDE	12	15	4	FOBS=	118.2	SIGMA=	6.2	PHAS=	233.0	FOM=	0.23
INDE	12	15	5	FOBS=	128.8	SIGMA=	5.9	PHAS=	117.6	FOM=	0.22
INDE	12	15	6	FOBS=	69.4	SIGMA=	12.1	PHAS=	34.2	FOM=	0.11
INDE	12	15	7	FOBS=	57.0	SIGMA=	34.4	PHAS=	217.8	FOM=	0.04
INDE	12	16	0	FOBS=	115.8	SIGMA=	6.0	PHAS=	223.5	FOM=	0.09
INDE	12	16	1	FOBS=	204.2	SIGMA=	3.3	PHAS=	264.6	FOM=	0.26
INDE	12	16	2	FOBS=	132.1	SIGMA=	5.4	PHAS=	131.9	FOM=	0.74
INDE	12	16	3	FOBS=	43.2	SIGMA=	17.4	PHAS=	249.7	FOM=	0.27
INDE	12	16	4	FOBS=	37.8	SIGMA=	17.7	PHAS=	36.3	FOM=	0.11
INDE	12	16	5	FOBS=	75.9	SIGMA=	10.0	PHAS=	97.9	FOM=	0.43
INDE	12	16	6	FOBS=	142.1	SIGMA=	5.4	PHAS=	105.2	FOM=	0.10
INDE	12	16	7	FOBS=	138.4	SIGMA=	91.8	PHAS=	117.9	FOM=	0.01
INDE	12	17	0	FOBS=	40.7	SIGMA=	18.8	PHAS=	172.1	FOM=	0.17
INDE	12	17	1	FOBS=	76.4	SIGMA=	8.6	PHAS=	40.7	FOM=	0.19
INDE	12	17	2	FOBS=	69.3	SIGMA=	10.4	PHAS=	270.4	FOM=	0.24
INDE	12	17	3	FOBS=	121.6	SIGMA=	5.9	PHAS=	145.7	FOM=	0.18
INDE	12	17	4	FOBS=	104.6	SIGMA=	7.0	PHAS=	104.1	FOM=	0.61
INDE	12	17	5	FOBS=	48.2	SIGMA=	23.5	PHAS=	229.1	FOM=	0.06
INDE	12	17	6	FOBS=	52.0	SIGMA=	17.6	PHAS=	289.7	FOM=	0.02
INDE	12	18	0	FOBS=	85.4	SIGMA=	68.0	PHAS=	337.1	FOM=	0.06
INDE	12	18	1	FOBS=	142.0	SIGMA=	4.7	PHAS=	344.2	FOM=	0.76
INDE	12	18	2	FOBS=	75.0	SIGMA=	9.1	PHAS=	147.2	FOM=	0.10
INDE	12	18	3	FOBS=	45.4	SIGMA=	22.8	PHAS=	300.2	FOM=	0.08
INDE	12	18	4	FOBS=	81.7	SIGMA=	7.0	PHAS=	0.2	FOM=	0.92
INDE	12	18	5	FOBS=	107.8	SIGMA=	6.6	PHAS=	168.6	FOM=	0.03
INDE	12	18	6	FOBS=	63.9	SIGMA=	14.2	PHAS=	357.3	FOM=	0.04
INDE	12	19	0	FOBS=	78.3	SIGMA=	7.8	PHAS=	284.5	FOM=	0.21
INDE	12	19	1	FOBS=	65.3	SIGMA=	38.4	PHAS=	136.7	FOM=	0.13
INDE	12	19	2	FOBS=	53.1	SIGMA=	25.0	PHAS=	50.9	FOM=	0.03
INDE	12	19	3	FOBS=	118.0	SIGMA=	5.7	PHAS=	260.3	FOM=	0.47
INDE	12	19	4	FOBS=	47.3	SIGMA=	22.8	PHAS=	56.3	FOM=	0.07
INDE	12	19	5	FOBS=	129.6	SIGMA=	5.5	PHAS=	71.5	FOM=	0.12
INDE	12	20	0	FOBS=	70.8	SIGMA=	8.6	PHAS=	246.0	FOM=	0.08
INDE	12	20	1	FOBS=	133.4	SIGMA=	4.8	PHAS=	49.9	FOM=	0.16
INDE	12	20	2	FOBS=	77.5	SIGMA=	7.9	PHAS=	210.8	FOM=	0.21
INDE	12	20	4	FOBS=	49.5	SIGMA=	15.1	PHAS=	185.3	FOM=	0.05
INDE	12	20	5	FOBS=	119.1	SIGMA=	69.3	PHAS=	216.8	FOM=	0.01
INDE	12	21	0	FOBS=	37.5	SIGMA=	16.1	PHAS=	309.8	FOM=	0.35
INDE	12	21	1	FOBS=	78.9	SIGMA=	6.9	PHAS=	50.8	FOM=	0.93
INDE	12	21	2	FOBS=	97.2	SIGMA=	56.4	PHAS=	158.9	FOM=	0.06
INDE	12	21	3	FOBS=	99.7	SIGMA=	6.7	PHAS=	223.5	FOM=	0.12
INDE	12	21	4	FOBS=	62.7	SIGMA=	37.2	PHAS=	63.8	FOM=	0.07
INDE	12	22	0	FOBS=	71.5	SIGMA=	7.9	PHAS=	337.9	FOM=	0.20
INDE	12	22	1	FOBS=	84.5	SIGMA=	7.0	PHAS=	89.9	FOM=	0.06
INDE	12	22	2	FOBS=	59.5	SIGMA=	24.5	PHAS=	241.3	FOM=	0.07
INDE	12	22	3	FOBS=	103.1	SIGMA=	6.4	PHAS=	342.3	FOM=	0.25
INDE	12	23	0	FOBS=	84.8	SIGMA=	6.6	PHAS=	187.8	FOM=	0.07

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INDE	12	24	1	FOBS=	44.9	SIGMA=	22.7	PHAS=	103.7	FOM=	0.13
INDE	13	0	0	FOBS=	74.5	SIGMA=	16.9	PHAS=	0.0	FOM=	0.01
INDE	13	0	0	FOBS=	563.3	SIGMA=	3.1	PHAS=	180.0	FOM=	0.12
INDE	13	0	2	FOBS=	88.4	SIGMA=	11.6	PHAS=	0.0	FOM=	0.01
INDE	13	0	3	FOBS=	209.1	SIGMA=	5.5	PHAS=	180.0	FOM=	0.16
INDE	13	0	4	FOBS=	76.7	SIGMA=	17.9	PHAS=	0.0	FOM=	0.03
INDE	13	0	5	FOBS=	166.0	SIGMA=	7.1	PHAS=	0.0	FOM=	0.21
INDE	13	0	6	FOBS=	147.0	SIGMA=	8.1	PHAS=	180.0	FOM=	0.07
INDE	13	0	7	FOBS=	28.4	SIGMA=	30.6	PHAS=	180.0	FOM=	0.02
INDE	13	0	8	FOBS=	98.7	SIGMA=	12.5	PHAS=	180.0	FOM=	0.10
INDE	13	0	9	FOBS=	123.0	SIGMA=	14.8	PHAS=	180.0	FOM=	0.01
INDE	13	1	0	FOBS=	96.6	SIGMA=	7.2	PHAS=	333.7	FOM=	0.19
INDE	13	1	1	FOBS=	59.0	SIGMA=	17.9	PHAS=	127.0	FOM=	0.04
INDE	13	1	2	FOBS=	65.6	SIGMA=	15.7	PHAS=	189.0	FOM=	0.05
INDE	13	1	3	FOBS=	168.8	SIGMA=	5.2	PHAS=	12.1	FOM=	0.13
INDE	13	1	4	FOBS=	192.5	SIGMA=	4.6	PHAS=	68.5	FOM=	0.39
INDE	13	1	5	FOBS=	69.8	SIGMA=	12.3	PHAS=	172.9	FOM=	0.05
INDE	13	1	6	FOBS=	181.8	SIGMA=	5.0	PHAS=	134.9	FOM=	0.36
INDE	13	1	7	FOBS=	42.3	SIGMA=	19.6	PHAS=	43.5	FOM=	0.15
INDE	13	1	8	FOBS=	105.5	SIGMA=	9.9	PHAS=	55.0	FOM=	0.01
INDE	13	2	1	FOBS=	178.5	SIGMA=	4.3	PHAS=	271.3	FOM=	0.42
INDE	13	2	2	FOBS=	87.9	SIGMA=	8.6	PHAS=	31.9	FOM=	0.09
INDE	13	2	3	FOBS=	110.8	SIGMA=	7.3	PHAS=	134.3	FOM=	0.18
INDE	13	2	4	FOBS=	90.7	SIGMA=	9.1	PHAS=	307.0	FOM=	0.17
INDE	13	2	5	FOBS=	59.8	SIGMA=	16.0	PHAS=	157.8	FOM=	0.05
INDE	13	2	6	FOBS=	163.3	SIGMA=	5.2	PHAS=	354.7	FOM=	0.20
INDE	13	2	7	FOBS=	49.3	SIGMA=	27.4	PHAS=	137.9	FOM=	0.07
INDE	13	2	8	FOBS=	78.8	SIGMA=	12.3	PHAS=	171.1	FOM=	0.02
INDE	13	2	9	FOBS=	74.4	SIGMA=	20.0	PHAS=	292.1	FOM=	0.08
INDE	13	3	0	FOBS=	173.8	SIGMA=	4.1	PHAS=	356.9	FOM=	0.05
INDE	13	3	1	FOBS=	86.3	SIGMA=	8.4	PHAS=	344.9	FOM=	0.09
INDE	13	3	2	FOBS=	82.7	SIGMA=	10.5	PHAS=	66.7	FOM=	0.11
INDE	13	3	3	FOBS=	78.1	SIGMA=	9.7	PHAS=	237.3	FOM=	0.16
INDE	13	3	4	FOBS=	54.5	SIGMA=	23.3	PHAS=	358.7	FOM=	0.03
INDE	13	3	5	FOBS=	66.7	SIGMA=	17.4	PHAS=	5.9	FOM=	0.05
INDE	13	3	6	FOBS=	105.9	SIGMA=	8.5	PHAS=	176.6	FOM=	0.25
INDE	13	3	7	FOBS=	83.3	SIGMA=	11.3	PHAS=	60.8	FOM=	0.15
INDE	13	3	8	FOBS=	96.8	SIGMA=	8.8	PHAS=	333.0	FOM=	0.02
INDE	13	3	9	FOBS=	53.0	SIGMA=	28.7	PHAS=	164.9	FOM=	0.01
INDE	13	4	0	FOBS=	233.7	SIGMA=	3.1	PHAS=	269.9	FOM=	0.82
INDE	13	4	1	FOBS=	92.9	SIGMA=	8.5	PHAS=	40.9	FOM=	0.35
INDE	13	4	2	FOBS=	56.5	SIGMA=	14.5	PHAS=	200.6	FOM=	0.12
INDE	13	4	3	FOBS=	101.6	SIGMA=	7.6	PHAS=	128.6	FOM=	0.15
INDE	13	4	4	FOBS=	65.9	SIGMA=	20.9	PHAS=	346.6	FOM=	0.18
INDE	13	4	5	FOBS=	108.4	SIGMA=	8.1	PHAS=	207.1	FOM=	0.36
INDE	13	4	6	FOBS=	84.3	SIGMA=	12.8	PHAS=	357.8	FOM=	0.09
INDE	13	4	7	FOBS=	102.8	SIGMA=	8.0	PHAS=	9.0	FOM=	0.32
INDE	13	4	8	FOBS=	75.7	SIGMA=	11.8	PHAS=	210.0	FOM=	0.02
INDE	13	5	0	FOBS=	64.2	SIGMA=	24.8	PHAS=	311.1	FOM=	0.19
INDE	13	5	1	FOBS=	56.9	SIGMA=	26.7	PHAS=	233.3	FOM=	0.13
INDE	13	5	2	FOBS=	60.1	SIGMA=	13.9	PHAS=	105.0	FOM=	0.26
INDE	13	5	3	FOBS=	103.1	SIGMA=	7.4	PHAS=	318.0	FOM=	0.13
INDE	13	5	4	FOBS=	49.9	SIGMA=	27.4	PHAS=	214.7	FOM=	0.06
INDE	13	5	5	FOBS=	167.3	SIGMA=	5.7	PHAS=	31.0	FOM=	0.13
INDE	13	5	6	FOBS=	54.7	SIGMA=	15.2	PHAS=	312.4	FOM=	0.10
INDE	13	5	7	FOBS=	94.3	SIGMA=	8.3	PHAS=	87.3	FOM=	0.34
INDE	13	5	8	FOBS=	55.8	SIGMA=	19.0	PHAS=	245.2	FOM=	0.04
INDE	13	6	0	FOBS=	171.9	SIGMA=	4.9	PHAS=	253.0	FOM=	0.84
INDE	13	6	1	FOBS=	179.8	SIGMA=	4.5	PHAS=	74.3	FOM=	0.89
INDE	13	6	2	FOBS=	239.3	SIGMA=	3.2	PHAS=	239.0	FOM=	0.69
INDE	13	6	3	FOBS=	180.2	SIGMA=	4.7	PHAS=	290.3	FOM=	0.18
INDE	13	6	4	FOBS=	96.8	SIGMA=	9.7	PHAS=	36.0	FOM=	0.31
INDE	13	6	5	FOBS=	41.7	SIGMA=	21.4	PHAS=	202.6	FOM=	0.16
INDE	13	6	6	FOBS=	53.0	SIGMA=	15.7	PHAS=	4.6	FOM=	0.11
INDE	13	6	7	FOBS=	89.8	SIGMA=	9.9	PHAS=	345.8	FOM=	0.01
INDE	13	6	8	FOBS=	59.6	SIGMA=	15.3	PHAS=	187.8	FOM=	0.03
INDE	13	7	0	FOBS=	64.6	SIGMA=	11.6	PHAS=	101.5	FOM=	0.08
INDE	13	7	1	FOBS=	89.6	SIGMA=	8.4	PHAS=	301.0	FOM=	0.16
INDE	13	7	2	FOBS=	128.9	SIGMA=	5.9	PHAS=	178.8	FOM=	0.09
INDE	13	7	3	FOBS=	190.1	SIGMA=	5.2	PHAS=	341.9	FOM=	0.15
INDE	13	7	4	FOBS=	110.3	SIGMA=	8.1	PHAS=	183.3	FOM=	0.19

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INDE	13	7	5	FOBS=	95.7	SIGMA=	8.2	PHAS=	299.9	FOM=	0.02
INDE	13	7	6	FOBS=	76.5	SIGMA=	10.9	PHAS=	321.9	FOM=	0.11
INDE	13	7	7	FOBS=	64.4	SIGMA=	14.7	PHAS=	148.0	FOM=	0.10
INDE	13	7	8	FOBS=	89.0	SIGMA=	10.2	PHAS=	7.6	FOM=	0.03
INDE	13	8	0	FOBS=	110.8	SIGMA=	6.5	PHAS=	320.6	FOM=	0.46
INDE	13	8	1	FOBS=	90.2	SIGMA=	70.3	PHAS=	77.4	FOM=	0.16
INDE	13	8	2	FOBS=	95.5	SIGMA=	9.7	PHAS=	243.3	FOM=	0.06
INDE	13	8	3	FOBS=	188.4	SIGMA=	4.9	PHAS=	173.9	FOM=	0.14
INDE	13	8	4	FOBS=	40.6	SIGMA=	19.8	PHAS=	87.4	FOM=	0.05
INDE	13	8	5	FOBS=	136.1	SIGMA=	5.9	PHAS=	20.3	FOM=	0.21
INDE	13	8	6	FOBS=	51.2	SIGMA=	30.6	PHAS=	131.0	FOM=	0.11
INDE	13	8	7	FOBS=	42.9	SIGMA=	23.0	PHAS=	230.8	FOM=	0.02
INDE	13	8	8	FOBS=	44.2	SIGMA=	24.2	PHAS=	330.4	FOM=	0.20
INDE	13	9	0	FOBS=	152.3	SIGMA=	4.8	PHAS=	20.9	FOM=	0.69
INDE	13	9	1	FOBS=	107.2	SIGMA=	7.1	PHAS=	125.1	FOM=	0.15
INDE	13	9	2	FOBS=	106.6	SIGMA=	8.2	PHAS=	178.0	FOM=	0.20
INDE	13	9	3	FOBS=	41.7	SIGMA=	18.4	PHAS=	345.7	FOM=	0.17
INDE	13	9	4	FOBS=	83.9	SIGMA=	9.6	PHAS=	173.3	FOM=	0.07
INDE	13	9	5	FOBS=	106.7	SIGMA=	7.6	PHAS=	277.0	FOM=	0.09
INDE	13	9	6	FOBS=	76.0	SIGMA=	127.3	PHAS=	326.3	FOM=	0.14
INDE	13	9	7	FOBS=	93.6	SIGMA=	9.9	PHAS=	249.1	FOM=	0.04
INDE	13	9	8	FOBS=	98.7	SIGMA=	10.2	PHAS=	159.9	FOM=	0.07
INDE	13	10	0	FOBS=	220.4	SIGMA=	3.4	PHAS=	15.4	FOM=	0.46
INDE	13	10	1	FOBS=	78.2	SIGMA=	11.2	PHAS=	149.1	FOM=	0.08
INDE	13	10	2	FOBS=	98.4	SIGMA=	8.2	PHAS=	275.1	FOM=	0.13
INDE	13	10	3	FOBS=	56.4	SIGMA=	32.8	PHAS=	83.9	FOM=	0.05
INDE	13	10	4	FOBS=	52.4	SIGMA=	25.8	PHAS=	168.9	FOM=	0.13
INDE	13	10	5	FOBS=	76.6	SIGMA=	14.0	PHAS=	332.6	FOM=	0.13
INDE	13	10	6	FOBS=	38.5	SIGMA=	17.7	PHAS=	208.6	FOM=	0.26
INDE	13	10	7	FOBS=	76.5	SIGMA=	11.3	PHAS=	167.8	FOM=	0.04
INDE	13	11	0	FOBS=	125.5	SIGMA=	6.4	PHAS=	40.8	FOM=	0.37
INDE	13	11	1	FOBS=	105.6	SIGMA=	7.3	PHAS=	95.7	FOM=	0.11
INDE	13	11	2	FOBS=	113.4	SIGMA=	6.4	PHAS=	263.6	FOM=	0.28
INDE	13	11	3	FOBS=	133.3	SIGMA=	5.7	PHAS=	116.4	FOM=	0.15
INDE	13	11	4	FOBS=	94.4	SIGMA=	9.1	PHAS=	337.0	FOM=	0.04
INDE	13	11	5	FOBS=	44.1	SIGMA=	20.0	PHAS=	290.1	FOM=	0.12
INDE	13	11	6	FOBS=	159.5	SIGMA=	5.1	PHAS=	216.2	FOM=	0.32
INDE	13	11	7	FOBS=	62.0	SIGMA=	13.8	PHAS=	336.7	FOM=	0.04
INDE	13	12	0	FOBS=	118.7	SIGMA=	16.5	PHAS=	147.6	FOM=	0.13
INDE	13	12	1	FOBS=	64.8	SIGMA=	13.0	PHAS=	229.8	FOM=	0.05
INDE	13	12	2	FOBS=	81.9	SIGMA=	8.8	PHAS=	212.8	FOM=	0.07
INDE	13	12	3	FOBS=	56.5	SIGMA=	14.8	PHAS=	64.6	FOM=	0.16
INDE	13	12	4	FOBS=	77.8	SIGMA=	11.5	PHAS=	298.8	FOM=	0.12
INDE	13	12	5	FOBS=	78.7	SIGMA=	9.7	PHAS=	173.6	FOM=	0.13
INDE	13	12	6	FOBS=	59.7	SIGMA=	33.0	PHAS=	44.4	FOM=	0.02
INDE	13	12	7	FOBS=	91.7	SIGMA=	8.6	PHAS=	84.0	FOM=	0.03
INDE	13	13	0	FOBS=	139.0	SIGMA=	4.9	PHAS=	276.6	FOM=	0.44
INDE	13	13	1	FOBS=	45.6	SIGMA=	26.1	PHAS=	167.2	FOM=	0.07
INDE	13	13	2	FOBS=	71.9	SIGMA=	10.8	PHAS=	76.9	FOM=	0.14
INDE	13	13	3	FOBS=	117.8	SIGMA=	7.2	PHAS=	220.3	FOM=	0.04
INDE	13	13	4	FOBS=	70.5	SIGMA=	13.5	PHAS=	250.6	FOM=	0.08
INDE	13	13	5	FOBS=	49.0	SIGMA=	12.5	PHAS=	41.5	FOM=	0.78
INDE	13	13	6	FOBS=	42.0	SIGMA=	18.6	PHAS=	137.7	FOM=	0.03
INDE	13	13	7	FOBS=	102.7	SIGMA=	7.8	PHAS=	230.6	FOM=	0.07
INDE	13	14	0	FOBS=	173.6	SIGMA=	4.0	PHAS=	264.6	FOM=	0.49
INDE	13	14	1	FOBS=	126.8	SIGMA=	5.7	PHAS=	58.6	FOM=	0.74
INDE	13	14	2	FOBS=	53.9	SIGMA=	15.4	PHAS=	238.8	FOM=	0.24
INDE	13	14	3	FOBS=	112.1	SIGMA=	114.3	PHAS=	299.9	FOM=	0.05
INDE	13	14	4	FOBS=	142.4	SIGMA=	5.4	PHAS=	10.2	FOM=	0.33
INDE	13	14	5	FOBS=	87.7	SIGMA=	47.3	PHAS=	202.9	FOM=	0.05
INDE	13	14	6	FOBS=	42.5	SIGMA=	18.3	PHAS=	295.4	FOM=	0.01
INDE	13	15	0	FOBS=	110.6	SIGMA=	5.8	PHAS=	108.3	FOM=	0.16
INDE	13	15	1	FOBS=	65.2	SIGMA=	34.0	PHAS=	256.3	FOM=	0.22
INDE	13	15	2	FOBS=	72.9	SIGMA=	10.4	PHAS=	160.6	FOM=	0.04
INDE	13	15	4	FOBS=	73.3	SIGMA=	9.0	PHAS=	174.5	FOM=	0.72
INDE	13	15	6	FOBS=	74.2	SIGMA=	10.4	PHAS=	11.8	FOM=	0.05
INDE	13	16	0	FOBS=	96.8	SIGMA=	7.0	PHAS=	320.6	FOM=	0.42
INDE	13	16	1	FOBS=	56.6	SIGMA=	40.0	PHAS=	90.1	FOM=	0.15
INDE	13	16	2	FOBS=	73.2	SIGMA=	9.5	PHAS=	273.7	FOM=	0.01
INDE	13	16	3	FOBS=	96.0	SIGMA=	7.2	PHAS=	281.8	FOM=	0.20
INDE	13	16	4	FOBS=	72.2	SIGMA=	31.5	PHAS=	129.6	FOM=	0.04

Fig. 10A-146

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INDE	13	16	5	FOBS=	40.3	SIGMA=	17.1	PHAS=	323.8	FOM=	0.05
INDE	13	16	6	FOBS=	89.8	SIGMA=	43.2	PHAS=	120.3	FOM=	0.07
INDE	13	17	0	FOBS=	60.6	SIGMA=	29.8	PHAS=	299.2	FOM=	0.06
INDE	13	17	1	FOBS=	66.2	SIGMA=	10.1	PHAS=	83.0	FOM=	0.13
INDE	13	17	2	FOBS=	68.1	SIGMA=	10.0	PHAS=	219.2	FOM=	0.30
INDE	13	17	3	FOBS=	81.1	SIGMA=	8.6	PHAS=	28.4	FOM=	0.23
INDE	13	17	4	FOBS=	56.4	SIGMA=	13.8	PHAS=	159.4	FOM=	0.12
INDE	13	17	5	FOBS=	64.8	SIGMA=	15.5	PHAS=	160.4	FOM=	0.01
INDE	13	18	0	FOBS=	157.4	SIGMA=	4.4	PHAS=	21.5	FOM=	0.42
INDE	13	18	1	FOBS=	36.3	SIGMA=	19.9	PHAS=	98.2	FOM=	0.14
INDE	13	18	2	FOBS=	88.7	SIGMA=	7.7	PHAS=	240.8	FOM=	0.11
INDE	13	18	3	FOBS=	40.4	SIGMA=	20.3	PHAS=	219.2	FOM=	0.01
INDE	13	18	4	FOBS=	43.1	SIGMA=	18.1	PHAS=	138.6	FOM=	0.06
INDE	13	19	0	FOBS=	46.9	SIGMA=	18.2	PHAS=	17.9	FOM=	0.46
INDE	13	19	1	FOBS=	51.0	SIGMA=	13.6	PHAS=	60.2	FOM=	0.09
INDE	13	19	2	FOBS=	66.6	SIGMA=	10.1	PHAS=	200.3	FOM=	0.17
INDE	13	19	3	FOBS=	59.8	SIGMA=	11.3	PHAS=	44.9	FOM=	0.07
INDE	13	19	4	FOBS=	175.4	SIGMA=	116.7	PHAS=	300.8	FOM=	0.00
INDE	13	20	0	FOBS=	41.2	SIGMA=	18.6	PHAS=	33.7	FOM=	0.09
INDE	13	20	1	FOBS=	81.4	SIGMA=	7.8	PHAS=	215.5	FOM=	0.27
INDE	13	20	2	FOBS=	62.7	SIGMA=	38.3	PHAS=	28.5	FOM=	0.02
INDE	13	20	3	FOBS=	269.7	SIGMA=	179.6	PHAS=	14.2	FOM=	0.03
INDE	13	21	0	FOBS=	60.3	SIGMA=	10.9	PHAS=	185.0	FOM=	0.04
INDE	13	21	1	FOBS=	65.2	SIGMA=	10.3	PHAS=	113.5	FOM=	0.06
INDE	13	22	0	FOBS=	80.5	SIGMA=	40.2	PHAS=	64.2	FOM=	0.11
INDE	13	22	1	FOBS=	84.6	SIGMA=	7.9	PHAS=	32.4	FOM=	0.03
INDE	14	0	0	FOBS=	31.3	SIGMA=	30.5	PHAS=	180.0	FOM=	0.16
INDE	14	0	2	FOBS=	71.4	SIGMA=	15.2	PHAS=	0.0	FOM=	0.06
INDE	14	0	4	FOBS=	112.2	SIGMA=	12.4	PHAS=	180.0	FOM=	0.09
INDE	14	0	5	FOBS=	94.4	SIGMA=	15.2	PHAS=	0.0	FOM=	0.22
INDE	14	0	6	FOBS=	78.3	SIGMA=	17.8	PHAS=	180.0	FOM=	0.00
INDE	14	0	7	FOBS=	92.6	SIGMA=	12.4	PHAS=	180.0	FOM=	0.03
INDE	14	1	0	FOBS=	224.1	SIGMA=	3.2	PHAS=	186.8	FOM=	0.30
INDE	14	1	1	FOBS=	109.0	SIGMA=	6.7	PHAS=	352.5	FOM=	0.34
INDE	14	1	2	FOBS=	182.2	SIGMA=	4.3	PHAS=	239.6	FOM=	0.33
INDE	14	1	3	FOBS=	92.4	SIGMA=	9.4	PHAS=	196.3	FOM=	0.16
INDE	14	1	4	FOBS=	111.3	SIGMA=	7.8	PHAS=	34.9	FOM=	0.07
INDE	14	1	5	FOBS=	149.4	SIGMA=	5.4	PHAS=	164.3	FOM=	0.05
INDE	14	1	6	FOBS=	80.0	SIGMA=	10.1	PHAS=	253.9	FOM=	0.02
INDE	14	1	7	FOBS=	69.3	SIGMA=	13.3	PHAS=	290.9	FOM=	0.02
INDE	14	2	0	FOBS=	101.6	SIGMA=	81.7	PHAS=	359.7	FOM=	0.08
INDE	14	2	1	FOBS=	74.2	SIGMA=	12.8	PHAS=	245.1	FOM=	0.03
INDE	14	2	2	FOBS=	57.9	SIGMA=	14.4	PHAS=	185.2	FOM=	0.12
INDE	14	2	3	FOBS=	96.3	SIGMA=	8.3	PHAS=	7.4	FOM=	0.24
INDE	14	2	4	FOBS=	114.0	SIGMA=	6.9	PHAS=	83.2	FOM=	0.04
INDE	14	2	5	FOBS=	90.9	SIGMA=	9.4	PHAS=	235.7	FOM=	0.06
INDE	14	2	6	FOBS=	117.9	SIGMA=	6.8	PHAS=	63.4	FOM=	0.03
INDE	14	2	7	FOBS=	53.3	SIGMA=	18.1	PHAS=	95.3	FOM=	0.05
INDE	14	3	0	FOBS=	68.0	SIGMA=	10.9	PHAS=	219.8	FOM=	0.22
INDE	14	3	2	FOBS=	102.4	SIGMA=	8.1	PHAS=	252.3	FOM=	0.07
INDE	14	3	3	FOBS=	62.2	SIGMA=	14.6	PHAS=	190.0	FOM=	0.05
INDE	14	3	4	FOBS=	55.9	SIGMA=	16.3	PHAS=	50.4	FOM=	0.14
INDE	14	3	5	FOBS=	58.7	SIGMA=	26.8	PHAS=	249.5	FOM=	0.14
INDE	14	3	6	FOBS=	67.7	SIGMA=	14.4	PHAS=	93.2	FOM=	0.04
INDE	14	3	7	FOBS=	41.7	SIGMA=	21.4	PHAS=	190.1	FOM=	0.03
INDE	14	4	0	FOBS=	86.4	SIGMA=	8.3	PHAS=	60.1	FOM=	0.27
INDE	14	4	1	FOBS=	73.2	SIGMA=	12.2	PHAS=	291.4	FOM=	0.05
INDE	14	4	2	FOBS=	139.6	SIGMA=	5.6	PHAS=	188.1	FOM=	0.42
INDE	14	4	3	FOBS=	135.8	SIGMA=	5.7	PHAS=	346.5	FOM=	0.26
INDE	14	4	4	FOBS=	120.0	SIGMA=	6.5	PHAS=	178.8	FOM=	0.05
INDE	14	4	5	FOBS=	49.8	SIGMA=	22.1	PHAS=	285.3	FOM=	0.06
INDE	14	4	6	FOBS=	64.9	SIGMA=	26.0	PHAS=	345.7	FOM=	0.01
INDE	14	4	7	FOBS=	55.8	SIGMA=	18.6	PHAS=	126.9	FOM=	0.04
INDE	14	5	0	FOBS=	130.0	SIGMA=	5.9	PHAS=	282.8	FOM=	0.41
INDE	14	5	2	FOBS=	135.9	SIGMA=	5.7	PHAS=	233.2	FOM=	0.05
INDE	14	5	3	FOBS=	111.5	SIGMA=	6.9	PHAS=	86.7	FOM=	0.07
INDE	14	5	4	FOBS=	63.6	SIGMA=	17.1	PHAS=	130.6	FOM=	0.06
INDE	14	5	5	FOBS=	77.3	SIGMA=	10.7	PHAS=	276.0	FOM=	0.21
INDE	14	5	6	FOBS=	64.7	SIGMA=	36.4	PHAS=	94.0	FOM=	0.10
INDE	14	5	7	FOBS=	46.3	SIGMA=	21.0	PHAS=	263.4	FOM=	0.01
INDE	14	6	0	FOBS=	193.2	SIGMA=	4.2	PHAS=	326.5	FOM=	0.44

Fig. 10A-147

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INDE	14	6	1	FOBS=	86.2	SIGMA=	8.6	PHAS=	337.8	FOM=	0.01
INDE	14	6	2	FOBS=	102.0	SIGMA=	7.3	PHAS=	205.6	FOM=	0.31
INDE	14	6	3	FOBS=	122.6	SIGMA=	6.4	PHAS=	343.3	FOM=	0.36
INDE	14	6	4	FOBS=	40.2	SIGMA=	25.2	PHAS=	192.1	FOM=	0.13
INDE	14	6	5	FOBS=	70.8	SIGMA=	12.3	PHAS=	120.7	FOM=	0.17
INDE	14	6	6	FOBS=	112.6	SIGMA=	8.0	PHAS=	28.7	FOM=	0.02
INDE	14	6	7	FOBS=	78.9	SIGMA=	33.9	PHAS=	251.2	FOM=	0.09
INDE	14	7	0	FOBS=	90.6	SIGMA=	7.9	PHAS=	25.0	FOM=	0.17
INDE	14	7	2	FOBS=	82.1	SIGMA=	9.3	PHAS=	27.8	FOM=	0.34
INDE	14	7	3	FOBS=	141.8	SIGMA=	5.4	PHAS=	329.2	FOM=	0.27
INDE	14	7	4	FOBS=	96.1	SIGMA=	8.7	PHAS=	149.6	FOM=	0.12
INDE	14	7	5	FOBS=	156.7	SIGMA=	5.8	PHAS=	309.6	FOM=	0.45
INDE	14	7	6	FOBS=	87.1	SIGMA=	9.4	PHAS=	284.7	FOM=	0.01
INDE	14	7	7	FOBS=	84.9	SIGMA=	46.6	PHAS=	160.5	FOM=	0.01
INDE	14	8	0	FOBS=	72.4	SIGMA=	11.0	PHAS=	123.7	FOM=	0.11
INDE	14	8	1	FOBS=	34.9	SIGMA=	19.0	PHAS=	175.0	FOM=	0.11
INDE	14	8	2	FOBS=	59.5	SIGMA=	28.1	PHAS=	280.2	FOM=	0.02
INDE	14	8	3	FOBS=	145.6	SIGMA=	5.7	PHAS=	130.4	FOM=	0.27
INDE	14	8	4	FOBS=	61.5	SIGMA=	14.4	PHAS=	222.9	FOM=	0.11
INDE	14	8	5	FOBS=	22.1	SIGMA=	23.7	PHAS=	329.0	FOM=	0.41
INDE	14	8	6	FOBS=	71.0	SIGMA=	11.4	PHAS=	138.0	FOM=	0.05
INDE	14	8	7	FOBS=	71.7	SIGMA=	12.5	PHAS=	256.6	FOM=	0.04
INDE	14	9	0	FOBS=	163.1	SIGMA=	4.5	PHAS=	105.3	FOM=	0.61
INDE	14	9	1	FOBS=	90.1	SIGMA=	8.0	PHAS=	265.9	FOM=	0.06
INDE	14	9	2	FOBS=	174.2	SIGMA=	4.5	PHAS=	108.2	FOM=	0.17
INDE	14	9	3	FOBS=	118.6	SIGMA=	7.5	PHAS=	224.6	FOM=	0.02
INDE	14	9	4	FOBS=	82.1	SIGMA=	11.0	PHAS=	252.2	FOM=	0.09
INDE	14	9	5	FOBS=	71.7	SIGMA=	32.5	PHAS=	73.9	FOM=	0.07
INDE	14	9	6	FOBS=	43.8	SIGMA=	18.4	PHAS=	228.9	FOM=	0.05
INDE	14	10	2	FOBS=	52.0	SIGMA=	25.6	PHAS=	343.9	FOM=	0.10
INDE	14	10	3	FOBS=	143.1	SIGMA=	5.8	PHAS=	155.3	FOM=	0.01
INDE	14	10	4	FOBS=	38.7	SIGMA=	23.6	PHAS=	43.5	FOM=	0.02
INDE	14	10	6	FOBS=	41.2	SIGMA=	16.8	PHAS=	100.1	FOM=	0.02
INDE	14	11	0	FOBS=	70.9	SIGMA=	10.0	PHAS=	154.6	FOM=	0.11
INDE	14	11	1	FOBS=	49.3	SIGMA=	16.7	PHAS=	351.9	FOM=	0.07
INDE	14	11	2	FOBS=	60.7	SIGMA=	17.4	PHAS=	77.4	FOM=	0.03
INDE	14	11	3	FOBS=	102.2	SIGMA=	7.2	PHAS=	230.0	FOM=	0.09
INDE	14	11	4	FOBS=	86.4	SIGMA=	7.8	PHAS=	354.9	FOM=	0.75
INDE	14	11	6	FOBS=	63.4	SIGMA=	17.2	PHAS=	248.1	FOM=	0.04
INDE	14	12	0	FOBS=	53.7	SIGMA=	18.3	PHAS=	76.7	FOM=	0.17
INDE	14	12	1	FOBS=	61.1	SIGMA=	14.0	PHAS=	227.8	FOM=	0.10
INDE	14	12	2	FOBS=	84.5	SIGMA=	88.2	PHAS=	303.7	FOM=	0.04
INDE	14	12	3	FOBS=	52.4	SIGMA=	16.0	PHAS=	113.9	FOM=	0.05
INDE	14	12	4	FOBS=	87.5	SIGMA=	8.4	PHAS=	110.2	FOM=	0.10
INDE	14	12	5	FOBS=	63.9	SIGMA=	17.7	PHAS=	251.1	FOM=	0.04
INDE	14	13	0	FOBS=	86.4	SIGMA=	8.8	PHAS=	271.9	FOM=	0.08
INDE	14	13	1	FOBS=	91.6	SIGMA=	7.4	PHAS=	291.1	FOM=	0.15
INDE	14	13	2	FOBS=	109.7	SIGMA=	6.3	PHAS=	122.0	FOM=	0.19
INDE	14	13	3	FOBS=	35.3	SIGMA=	18.2	PHAS=	79.8	FOM=	0.14
INDE	14	13	4	FOBS=	72.5	SIGMA=	35.4	PHAS=	262.2	FOM=	0.05
INDE	14	14	0	FOBS=	69.6	SIGMA=	11.0	PHAS=	335.2	FOM=	0.12
INDE	14	14	1	FOBS=	76.9	SIGMA=	8.8	PHAS=	197.9	FOM=	0.04
INDE	14	14	2	FOBS=	54.1	SIGMA=	51.0	PHAS=	111.2	FOM=	0.19
INDE	14	14	3	FOBS=	46.4	SIGMA=	18.6	PHAS=	290.8	FOM=	0.05
INDE	14	14	4	FOBS=	120.5	SIGMA=	7.1	PHAS=	46.1	FOM=	0.02
INDE	14	14	5	FOBS=	46.8	SIGMA=	20.8	PHAS=	100.6	FOM=	0.05
INDE	14	15	0	FOBS=	87.3	SIGMA=	7.3	PHAS=	343.6	FOM=	0.15
INDE	14	15	1	FOBS=	64.6	SIGMA=	69.7	PHAS=	150.7	FOM=	0.28
INDE	14	15	2	FOBS=	115.2	SIGMA=	6.5	PHAS=	315.5	FOM=	0.18
INDE	14	15	4	FOBS=	47.1	SIGMA=	20.8	PHAS=	140.2	FOM=	0.04
INDE	14	16	0	FOBS=	60.1	SIGMA=	10.8	PHAS=	103.3	FOM=	0.23
INDE	14	16	1	FOBS=	52.9	SIGMA=	29.8	PHAS=	9.1	FOM=	0.07
INDE	14	16	3	FOBS=	94.6	SIGMA=	8.0	PHAS=	115.8	FOM=	0.12
INDE	14	16	4	FOBS=	76.8	SIGMA=	39.5	PHAS=	288.6	FOM=	0.08
INDE	14	17	0	FOBS=	86.7	SIGMA=	55.2	PHAS=	29.8	FOM=	0.10
INDE	14	17	1	FOBS=	69.6	SIGMA=	11.2	PHAS=	202.6	FOM=	0.09
INDE	14	17	2	FOBS=	67.3	SIGMA=	28.9	PHAS=	55.8	FOM=	0.11
INDE	14	17	3	FOBS=	74.2	SIGMA=	10.8	PHAS=	262.5	FOM=	0.03
INDE	14	18	0	FOBS=	80.4	SIGMA=	8.2	PHAS=	163.1	FOM=	0.07
INDE	14	18	1	FOBS=	42.0	SIGMA=	17.5	PHAS=	113.6	FOM=	0.04
INDE	14	18	2	FOBS=	81.7	SIGMA=	8.2	PHAS=	15.1	FOM=	0.08

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INDE	14	18	3	FOBS=	100.6	SIGMA=	34.7	PHAS=	144.9	FOM=	0.08
INDE	14	19	0	FOBS=	91.0	SIGMA=	7.7	PHAS=	34.3	FOM=	0.31
INDE	14	19	1	FOBS=	93.7	SIGMA=	7.4	PHAS=	321.1	FOM=	0.10
INDE	14	19	2	FOBS=	83.0	SIGMA=	23.2	PHAS=	96.0	FOM=	0.04
INDE	14	20	0	FOBS=	85.6	SIGMA=	8.0	PHAS=	356.3	FOM=	0.11
INDE	14	20	1	FOBS=	126.2	SIGMA=	78.8	PHAS=	193.4	FOM=	0.06
INDE	15	0	0	FOBS=	55.5	SIGMA=	92.3	PHAS=	180.0	FOM=	0.06
INDE	15	0	2	FOBS=	201.0	SIGMA=	5.4	PHAS=	0.0	FOM=	0.45
INDE	15	0	3	FOBS=	50.3	SIGMA=	23.1	PHAS=	180.0	FOM=	0.02
INDE	15	0	6	FOBS=	100.1	SIGMA=	14.7	PHAS=	0.0	FOM=	0.11
INDE	15	1	0	FOBS=	61.8	SIGMA=	13.0	PHAS=	222.9	FOM=	0.01
INDE	15	1	2	FOBS=	205.0	SIGMA=	3.7	PHAS=	296.7	FOM=	0.05
INDE	15	1	3	FOBS=	63.7	SIGMA=	13.3	PHAS=	219.0	FOM=	0.05
INDE	15	1	5	FOBS=	89.4	SIGMA=	9.1	PHAS=	251.7	FOM=	0.13
INDE	15	1	6	FOBS=	77.5	SIGMA=	10.8	PHAS=	175.0	FOM=	0.01
INDE	15	2	0	FOBS=	63.2	SIGMA=	38.9	PHAS=	329.4	FOM=	0.08
INDE	15	2	1	FOBS=	203.3	SIGMA=	3.7	PHAS=	212.8	FOM=	0.13
INDE	15	2	2	FOBS=	127.7	SIGMA=	6.1	PHAS=	352.9	FOM=	0.29
INDE	15	2	3	FOBS=	108.3	SIGMA=	7.4	PHAS=	95.5	FOM=	0.07
INDE	15	2	4	FOBS=	60.6	SIGMA=	12.0	PHAS=	62.5	FOM=	0.34
INDE	15	2	5	FOBS=	85.4	SIGMA=	10.6	PHAS=	243.9	FOM=	0.06
INDE	15	2	6	FOBS=	90.0	SIGMA=	9.2	PHAS=	250.5	FOM=	0.02
INDE	15	3	0	FOBS=	144.6	SIGMA=	5.0	PHAS=	337.9	FOM=	0.53
INDE	15	3	1	FOBS=	137.1	SIGMA=	5.4	PHAS=	328.1	FOM=	0.12
INDE	15	3	2	FOBS=	62.5	SIGMA=	40.7	PHAS=	213.3	FOM=	0.07
INDE	15	3	3	FOBS=	104.2	SIGMA=	7.2	PHAS=	44.6	FOM=	0.19
INDE	15	3	4	FOBS=	72.8	SIGMA=	10.5	PHAS=	243.1	FOM=	0.78
INDE	15	3	5	FOBS=	84.7	SIGMA=	10.9	PHAS=	110.3	FOM=	0.05
INDE	15	3	6	FOBS=	74.6	SIGMA=	11.6	PHAS=	71.2	FOM=	0.02
INDE	15	4	0	FOBS=	131.3	SIGMA=	5.4	PHAS=	47.1	FOM=	0.39
INDE	15	4	1	FOBS=	146.1	SIGMA=	5.6	PHAS=	108.0	FOM=	0.34
INDE	15	4	2	FOBS=	45.9	SIGMA=	26.0	PHAS=	330.1	FOM=	0.12
INDE	15	4	3	FOBS=	95.1	SIGMA=	7.9	PHAS=	181.1	FOM=	0.00
INDE	15	4	4	FOBS=	83.7	SIGMA=	10.2	PHAS=	126.4	FOM=	0.03
INDE	15	4	5	FOBS=	86.6	SIGMA=	8.8	PHAS=	335.6	FOM=	0.04
INDE	15	4	6	FOBS=	62.7	SIGMA=	15.1	PHAS=	154.9	FOM=	0.04
INDE	15	5	0	FOBS=	106.5	SIGMA=	7.0	PHAS=	98.8	FOM=	0.31
INDE	15	5	1	FOBS=	128.6	SIGMA=	5.9	PHAS=	212.4	FOM=	0.20
INDE	15	5	2	FOBS=	78.6	SIGMA=	12.3	PHAS=	293.3	FOM=	0.19
INDE	15	5	3	FOBS=	72.6	SIGMA=	15.4	PHAS=	98.1	FOM=	0.39
INDE	15	5	4	FOBS=	63.8	SIGMA=	30.8	PHAS=	273.4	FOM=	0.12
INDE	15	5	5	FOBS=	54.1	SIGMA=	13.9	PHAS=	258.7	FOM=	0.01
INDE	15	5	6	FOBS=	50.1	SIGMA=	21.9	PHAS=	106.8	FOM=	0.02
INDE	15	6	0	FOBS=	95.8	SIGMA=	8.1	PHAS=	11.1	FOM=	0.17
INDE	15	6	1	FOBS=	93.8	SIGMA=	7.8	PHAS=	201.9	FOM=	0.10
INDE	15	6	2	FOBS=	61.5	SIGMA=	13.9	PHAS=	64.3	FOM=	0.12
INDE	15	6	3	FOBS=	74.4	SIGMA=	10.2	PHAS=	164.1	FOM=	0.09
INDE	15	6	4	FOBS=	52.6	SIGMA=	22.6	PHAS=	271.1	FOM=	0.13
INDE	15	6	5	FOBS=	47.5	SIGMA=	23.3	PHAS=	40.8	FOM=	0.08
INDE	15	7	0	FOBS=	140.4	SIGMA=	5.1	PHAS=	183.7	FOM=	0.06
INDE	15	7	1	FOBS=	142.7	SIGMA=	5.2	PHAS=	215.4	FOM=	0.17
INDE	15	7	2	FOBS=	134.2	SIGMA=	5.6	PHAS=	342.5	FOM=	0.11
INDE	15	7	3	FOBS=	43.0	SIGMA=	21.7	PHAS=	28.8	FOM=	0.12
INDE	15	7	5	FOBS=	65.8	SIGMA=	25.8	PHAS=	153.2	FOM=	0.06
INDE	15	8	0	FOBS=	70.6	SIGMA=	12.2	PHAS=	139.0	FOM=	0.13
INDE	15	8	1	FOBS=	112.7	SIGMA=	6.5	PHAS=	292.1	FOM=	0.22
INDE	15	8	2	FOBS=	116.0	SIGMA=	6.4	PHAS=	4.1	FOM=	0.13
INDE	15	8	4	FOBS=	88.8	SIGMA=	8.9	PHAS=	246.7	FOM=	0.08
INDE	15	8	5	FOBS=	63.5	SIGMA=	15.6	PHAS=	30.8	FOM=	0.09
INDE	15	9	0	FOBS=	79.4	SIGMA=	9.0	PHAS=	190.2	FOM=	0.07
INDE	15	9	1	FOBS=	109.6	SIGMA=	6.6	PHAS=	126.1	FOM=	0.09
INDE	15	9	2	FOBS=	37.0	SIGMA=	19.1	PHAS=	355.6	FOM=	0.07
INDE	15	9	3	FOBS=	60.9	SIGMA=	13.2	PHAS=	203.5	FOM=	0.04
INDE	15	9	4	FOBS=	81.4	SIGMA=	10.2	PHAS=	359.0	FOM=	0.03
INDE	15	9	5	FOBS=	120.3	SIGMA=	6.8	PHAS=	250.0	FOM=	0.07
INDE	15	10	0	FOBS=	58.1	SIGMA=	36.7	PHAS=	163.6	FOM=	0.09
INDE	15	10	1	FOBS=	47.7	SIGMA=	22.9	PHAS=	312.5	FOM=	0.17
INDE	15	10	2	FOBS=	38.8	SIGMA=	18.0	PHAS=	154.7	FOM=	0.16
INDE	15	10	3	FOBS=	57.7	SIGMA=	14.3	PHAS=	35.8	FOM=	0.01
INDE	15	10	4	FOBS=	107.2	SIGMA=	8.1	PHAS=	201.6	FOM=	0.03
INDE	15	10	5	FOBS=	108.5	SIGMA=	64.4	PHAS=	157.9	FOM=	0.02

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INDE	15	11	0	FOBS=	92.3	SIGMA=	7.5	PHAS=	333.1	FOM=	0.20
INDE	15	11	1	FOBS=	56.3	SIGMA=	14.7	PHAS=	62.0	FOM=	0.03
INDE	15	11	2	FOBS=	67.5	SIGMA=	11.5	PHAS=	70.4	FOM=	0.03
INDE	15	11	3	FOBS=	85.9	SIGMA=	10.2	PHAS=	13.5	FOM=	0.06
INDE	15	11	4	FOBS=	43.4	SIGMA=	20.0	PHAS=	159.5	FOM=	0.03
INDE	15	12	0	FOBS=	53.8	SIGMA=	14.1	PHAS=	265.9	FOM=	0.07
INDE	15	12	1	FOBS=	63.5	SIGMA=	9.3	PHAS=	69.3	FOM=	0.96
INDE	15	12	2	FOBS=	46.6	SIGMA=	19.6	PHAS=	223.4	FOM=	0.10
INDE	15	12	3	FOBS=	58.5	SIGMA=	31.3	PHAS=	336.2	FOM=	0.04
INDE	15	13	0	FOBS=	55.5	SIGMA=	11.0	PHAS=	96.0	FOM=	0.78
INDE	15	13	1	FOBS=	60.5	SIGMA=	34.5	PHAS=	279.7	FOM=	0.09
INDE	15	13	2	FOBS=	86.8	SIGMA=	8.7	PHAS=	300.8	FOM=	0.02
INDE	15	13	3	FOBS=	111.8	SIGMA=	6.4	PHAS=	283.2	FOM=	0.19
INDE	15	14	0	FOBS=	81.1	SIGMA=	37.6	PHAS=	321.2	FOM=	0.07
INDE	15	14	1	FOBS=	61.7	SIGMA=	14.2	PHAS=	222.2	FOM=	0.01
INDE	15	14	2	FOBS=	48.2	SIGMA=	21.8	PHAS=	102.1	FOM=	0.04
INDE	15	14	3	FOBS=	59.8	SIGMA=	12.8	PHAS=	66.0	FOM=	0.01
INDE	15	15	0	FOBS=	68.8	SIGMA=	12.9	PHAS=	189.3	FOM=	0.06
INDE	15	15	1	FOBS=	42.6	SIGMA=	21.4	PHAS=	89.6	FOM=	0.03
INDE	15	15	2	FOBS=	49.9	SIGMA=	22.4	PHAS=	320.3	FOM=	0.04
INDE	15	16	0	FOBS=	93.5	SIGMA=	6.8	PHAS=	47.3	FOM=	0.14
INDE	15	17	0	FOBS=	41.2	SIGMA=	16.5	PHAS=	240.2	FOM=	0.04
INDE	15	17	1	FOBS=	59.5	SIGMA=	29.0	PHAS=	72.4	FOM=	0.04
INDE	16	0	0	FOBS=	64.2	SIGMA=	15.8	PHAS=	0.0	FOM=	0.04
INDE	16	0	1	FOBS=	36.1	SIGMA=	22.1	PHAS=	180.0	FOM=	0.11
INDE	16	0	2	FOBS=	73.8	SIGMA=	15.3	PHAS=	180.0	FOM=	0.01
INDE	16	0	3	FOBS=	102.4	SIGMA=	10.2	PHAS=	180.0	FOM=	0.12
INDE	16	0	4	FOBS=	99.8	SIGMA=	13.4	PHAS=	180.0	FOM=	0.03
INDE	16	1	0	FOBS=	261.3	SIGMA=	2.8	PHAS=	145.4	FOM=	0.27
INDE	16	1	1	FOBS=	86.0	SIGMA=	8.1	PHAS=	177.2	FOM=	0.06
INDE	16	1	2	FOBS=	114.8	SIGMA=	6.3	PHAS=	114.2	FOM=	0.17
INDE	16	1	3	FOBS=	64.1	SIGMA=	14.3	PHAS=	240.5	FOM=	0.01
INDE	16	1	4	FOBS=	71.3	SIGMA=	13.7	PHAS=	165.0	FOM=	0.01
INDE	16	2	0	FOBS=	66.2	SIGMA=	11.2	PHAS=	110.9	FOM=	0.15
INDE	16	2	1	FOBS=	132.5	SIGMA=	5.4	PHAS=	332.1	FOM=	0.17
INDE	16	2	2	FOBS=	133.1	SIGMA=	5.8	PHAS=	92.3	FOM=	0.08
INDE	16	2	3	FOBS=	57.5	SIGMA=	27.5	PHAS=	143.0	FOM=	0.05
INDE	16	2	4	FOBS=	98.9	SIGMA=	7.8	PHAS=	152.6	FOM=	0.03
INDE	16	3	0	FOBS=	77.1	SIGMA=	10.3	PHAS=	108.2	FOM=	0.08
INDE	16	3	1	FOBS=	55.6	SIGMA=	17.2	PHAS=	273.0	FOM=	0.26
INDE	16	3	2	FOBS=	66.9	SIGMA=	13.3	PHAS=	81.7	FOM=	0.06
INDE	16	3	3	FOBS=	64.1	SIGMA=	28.3	PHAS=	186.5	FOM=	0.06
INDE	16	3	4	FOBS=	72.5	SIGMA=	11.6	PHAS=	310.6	FOM=	0.02
INDE	16	4	1	FOBS=	82.9	SIGMA=	9.4	PHAS=	347.8	FOM=	0.29
INDE	16	4	2	FOBS=	57.4	SIGMA=	26.7	PHAS=	135.7	FOM=	0.03
INDE	16	4	3	FOBS=	60.7	SIGMA=	14.4	PHAS=	196.5	FOM=	0.06
INDE	16	4	4	FOBS=	75.6	SIGMA=	10.4	PHAS=	292.3	FOM=	0.09
INDE	16	5	1	FOBS=	37.6	SIGMA=	17.1	PHAS=	265.9	FOM=	0.53
INDE	16	5	2	FOBS=	102.3	SIGMA=	65.5	PHAS=	95.5	FOM=	0.03
INDE	16	5	3	FOBS=	54.4	SIGMA=	18.4	PHAS=	293.4	FOM=	0.02
INDE	16	5	4	FOBS=	83.1	SIGMA=	9.0	PHAS=	146.2	FOM=	0.01
INDE	16	6	0	FOBS=	62.1	SIGMA=	12.3	PHAS=	199.4	FOM=	0.47
INDE	16	6	1	FOBS=	59.1	SIGMA=	33.3	PHAS=	351.0	FOM=	0.05
INDE	16	6	2	FOBS=	94.5	SIGMA=	7.8	PHAS=	326.4	FOM=	0.06
INDE	16	6	3	FOBS=	91.5	SIGMA=	39.2	PHAS=	205.8	FOM=	0.07
INDE	16	6	4	FOBS=	54.2	SIGMA=	18.5	PHAS=	22.7	FOM=	0.07
INDE	16	7	0	FOBS=	46.8	SIGMA=	17.4	PHAS=	126.1	FOM=	0.08
INDE	16	7	1	FOBS=	58.9	SIGMA=	12.5	PHAS=	347.3	FOM=	0.12
INDE	16	7	2	FOBS=	178.9	SIGMA=	4.4	PHAS=	41.7	FOM=	0.78
INDE	16	7	3	FOBS=	104.5	SIGMA=	7.1	PHAS=	167.4	FOM=	0.09
INDE	16	8	1	FOBS=	81.8	SIGMA=	9.0	PHAS=	155.3	FOM=	0.04
INDE	16	8	2	FOBS=	50.2	SIGMA=	15.9	PHAS=	84.3	FOM=	0.04
INDE	16	8	3	FOBS=	93.6	SIGMA=	8.1	PHAS=	230.0	FOM=	0.14
INDE	16	9	0	FOBS=	35.3	SIGMA=	18.2	PHAS=	206.0	FOM=	0.05
INDE	16	9	1	FOBS=	179.0	SIGMA=	4.1	PHAS=	227.6	FOM=	0.56
INDE	16	9	2	FOBS=	42.6	SIGMA=	19.0	PHAS=	201.2	FOM=	0.05
INDE	16	9	3	FOBS=	91.7	SIGMA=	8.1	PHAS=	197.6	FOM=	0.04
INDE	16	10	0	FOBS=	38.6	SIGMA=	17.0	PHAS=	45.3	FOM=	0.12
INDE	16	10	1	FOBS=	64.8	SIGMA=	12.0	PHAS=	200.9	FOM=	0.03
INDE	16	10	2	FOBS=	51.2	SIGMA=	24.6	PHAS=	252.3	FOM=	0.01
INDE	16	11	0	FOBS=	111.7	SIGMA=	6.2	PHAS=	299.5	FOM=	0.05

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INDE	16	11	1	FOBS=	120.4	SIGMA=	5.9	PHAS=	280.6	FOM=	0.07
INDE	16	11	2	FOBS=	76.0	SIGMA=	9.9	PHAS=	288.7	FOM=	0.00
INDE	16	12	0	FOBS=	70.4	SIGMA=	9.8	PHAS=	13.8	FOM=	0.02
INDE	16	12	1	FOBS=	52.6	SIGMA=	24.7	PHAS=	97.7	FOM=	0.01
INDE	16	13	0	FOBS=	53.6	SIGMA=	12.9	PHAS=	121.8	FOM=	0.05
INDE	16	13	1	FOBS=	109.8	SIGMA=	72.7	PHAS=	174.5	FOM=	0.01
INDE	16	14	0	FOBS=	50.1	SIGMA=	22.4	PHAS=	205.4	FOM=	0.05
INDE	17	0	0	FOBS=	42.5	SIGMA=	26.7	PHAS=	180.0	FOM=	0.01
INDE	17	0	2	FOBS=	94.1	SIGMA=	10.7	PHAS=	0.0	FOM=	0.01
INDE	17	1	0	FOBS=	83.2	SIGMA=	8.7	PHAS=	58.6	FOM=	0.04
INDE	17	1	1	FOBS=	69.2	SIGMA=	10.6	PHAS=	269.8	FOM=	0.01
INDE	17	1	2	FOBS=	100.3	SIGMA=	7.2	PHAS=	193.1	FOM=	0.04
INDE	17	2	0	FOBS=	69.4	SIGMA=	10.2	PHAS=	280.8	FOM=	0.02
INDE	17	2	1	FOBS=	69.3	SIGMA=	15.9	PHAS=	129.1	FOM=	0.03
INDE	17	2	2	FOBS=	64.3	SIGMA=	11.6	PHAS=	53.7	FOM=	0.03
INDE	17	3	0	FOBS=	42.4	SIGMA=	19.1	PHAS=	211.5	FOM=	0.10
INDE	17	3	2	FOBS=	60.4	SIGMA=	13.3	PHAS=	318.2	FOM=	0.02
INDE	17	4	0	FOBS=	89.2	SIGMA=	7.7	PHAS=	0.9	FOM=	0.05
INDE	17	4	1	FOBS=	74.5	SIGMA=	40.6	PHAS=	1.7	FOM=	0.07
INDE	17	5	0	FOBS=	42.2	SIGMA=	19.4	PHAS=	299.8	FOM=	0.13
INDE	17	5	1	FOBS=	62.8	SIGMA=	12.6	PHAS=	114.8	FOM=	0.06
INDE	17	6	0	FOBS=	45.2	SIGMA=	17.4	PHAS=	189.4	FOM=	0.02
INDE	17	6	1	FOBS=	89.3	SIGMA=	8.2	PHAS=	86.9	FOM=	0.05
INDE	17	7	0	FOBS=	71.2	SIGMA=	9.9	PHAS=	19.8	FOM=	0.11
INDE	17	7	1	FOBS=	103.6	SIGMA=	8.3	PHAS=	203.3	FOM=	0.08
INDE	17	8	0	FOBS=	87.4	SIGMA=	8.3	PHAS=	146.0	FOM=	0.04
INDE	17	9	0	FOBS=	59.2	SIGMA=	22.3	PHAS=	357.4	FOM=	0.09

**Fig. 10A-151**

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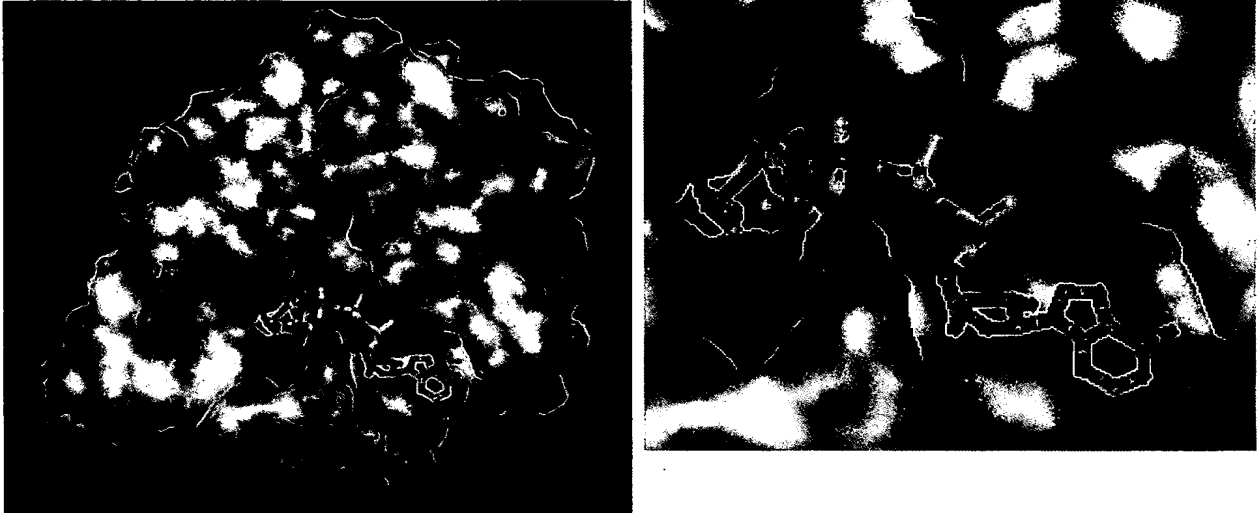


Fig. 11a

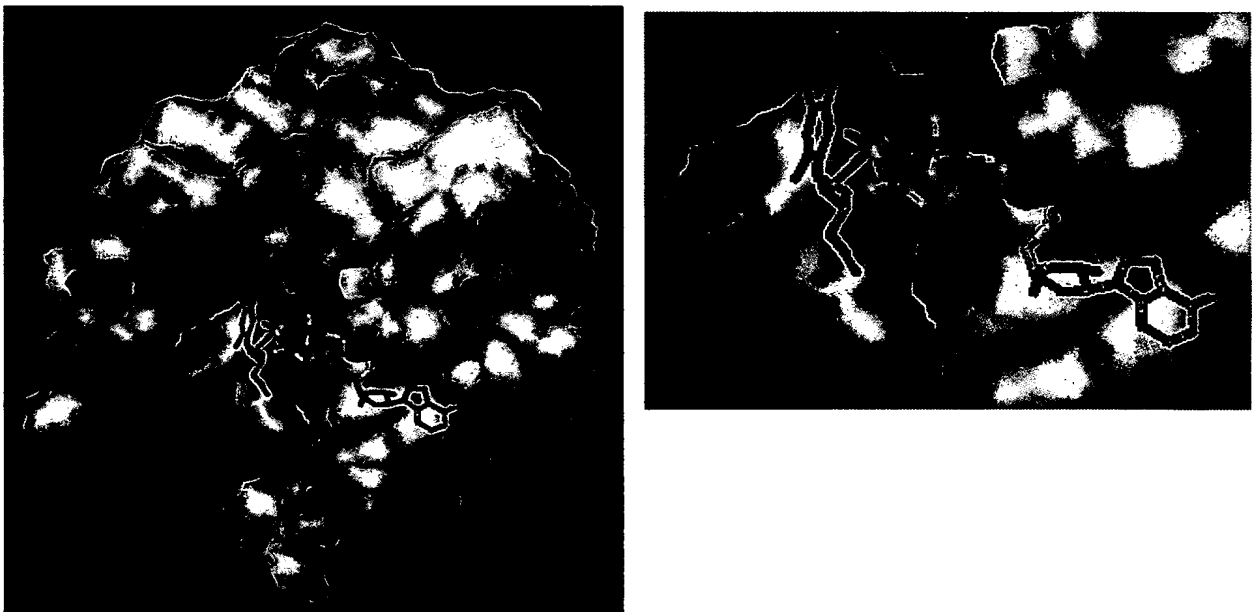


Fig. 11b

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